

ASSOCIATED PLATING COMPANY

Third Quarter 2006 Groundwater Monitoring Report

Associated Plating Company, 9636 Ann Street, Santa Fe Springs, California

H0287D

27 October 2006

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Environment & Water Resources

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Lee Paprocki, a California Professional Geologist, as an employee of WorleyParsons Komex, with expertise in contaminant assessment and remediation, and groundwater hydrology, has reviewed the report with the title **Third Quarter 2006 Groundwater Monitoring Report, APC Facility, 9636 Ann Street, Santa Fe Springs, California**. Her signature and stamp appear below.

Lee Paprocki

Professional Geologist 7749

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ASSOCIATED PLATING COMPANY THIRD QUARTER 2006 GROUNDWATER MONITORING REPORT ASSOCIATED PLATING COMPANY, 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

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LIST OF ACRONYMS AND ABBREVIATIONS

APC

Associated Plating Company

bgs

below ground surface

cis-1,2-DCE cis-1,2-dichloroethene

DOT

Department of Transportation

DTSC

Department of Toxic Substances Control

DWR

Department of Water Resources

ft/ft

feet per foot

LNAPL

light non-aqueous phase liquid

MSL

mean sea level

ug/L

micrograms per liter

mg/L

milligrams per liter

ml

milliliter

QΑ

quality assurance

QC

quality control

PCE

tetrachloroethene

TCE

trichloroethene

TPH

total petroleum hydrocarbons

USEPA

United States Environmental Protection Agency

VC

vinyl chloride

VOA

volatile organic analysis

VOCs

volatile organic compounds

1. INTRODUCTION

This document has been prepared by WorleyParsons Komex on behalf of the Associated Plating Company (APC). The report summarizes the groundwater sampling and well surveying conducted at 9636 Ann Street, Santa Fe Springs, California (herein referred to as the Site). The Site is located in Santa Fe Springs, California at an elevation of approximately 150 feet above mean sea level (MSL) with a local topographic gradient of less than 20 feet per mile to the southeast (**Figures 1 and 2**). Monitoring wells, MW-1 through MW-4, were installed at the Site on April 5 and 6, 2006 (**Table 1**) and were first sampled a week later (**Figure 3**).

Groundwater sampling and analysis completed at the Site during April 2006 identified the presence of chlorinated solvents and petroleum hydrocarbons.

The Department of Toxic Substances Control (DTSC), in their letter dated December 14, 2005 and in a meeting on August 22, 2006, requested that quarterly groundwater sampling be continued for one year. Therefore, third quarter groundwater sampling was conducted in August 2006 and is summarized in this report.

1.1 Geology and Hydrogeology

1.1.1 Regional Geology and Hydrogeology

Los Angeles County is underlain by the Los Angeles County Coastal Plain and is bounded by the Santa Monica Mountains to the north, the low lying Elysian, Repetto, Merced, and Puente Hills to the northeast, a political boundary coinciding with the boundary between Los Angeles County and Orange County to the southeast, and the Pacific Ocean to the southwest. Alluvial fans formed by the Los Angeles, Rio Hondo, and San Gabriel Rivers systems have coalesced to form the Downey Plain, which represents the largest area of recent alluvial deposition in the Coastal Plain. The Downey Plain is bordered by the La Brea, Montebello, and Santa Fe Spring Plains, and the Coyote hills to the north and northeast, the Newport Inglewood uplift to the southwest, and the Coastal Plain of Orange County to the southeast (DWR, 1961). The Downey Plain slopes gently to the south with an average gradient of less than 18 feet per mile. The Site is located between the Downey Plain and the Santa Fe Springs Plain. The Santa Fe Springs Plain is located south of Whittier and east of the San Gabriel River, in the area of the City of Santa Fe Springs. The Santa Fe Springs Plain is a low, slightly rolling topographic feature and represents a continuation of the Coyote Hills Uplift to the southeast.

The Coastal Plain of Los Angeles County is a deep groundwater reservoir filled by unconsolidated alluvial sands, gravels, clays, and silts. Fresh-water aquifers extend to depths of over 2,000 feet. The California Department of Water Resources (DWR) divided the coastal plain into four groundwater basins: the Santa Monica Basin, the West Coast Basin, the Hollywood Basin, and the Central Basin (DWR, 1961). The Site lies within the Central Basin, which is further divided into four parts for descriptive purposes: the Los Angeles Forebay Area, the Montebello Forebay Area, the Whittier Area, and the Central Basin Pressure Area.

The Site is located in the Central Basin Pressure Area. The Central Basin Pressure Area is called a "pressure area" because the aquifers within it are confined by aquicludes over most of the area. The major regional aquitards and aquifers beneath the Site occur in the Recent Alluvium, the Upper Pleistocene Lakewood Formation, and the Lower Pleistocene San Pedro Formation. Depth intervals for the major regional hydro-stratigraphic units (aquitards and aquifers) in the Site vicinity are presented in the table below:

| Regional Hydro-stratigraphic Unit | Formation | Approximate Depth Intervals (feet below ground surface) |
|--------------------------------------|-----------------|---|
| Bellflower Aquitard | Recent Alluvium | 0 – 30 |
| Gaspur | Recent Alluvium | 30 – 65 |
| Gage | Lakewood | 65 110 |
| Hollydale-Jefferson | San Pedro | 110 - 130 |
| Lynwood | San Pedro | 130 – 210 |
| Silverado | San Pedro | 210 – 360 |
| Sunnyside | San Pedro | 360 - 610 |

1.1.2 Site Geology

The Site is underlain with artificial fill composed primarily of silt from the ground surface to an approximate depth of 7 feet below ground surface (bgs). At approximately 7 feet bgs a concrete pad is encountered, which is approximately four inches thick. Underlying the concrete pad is a silt and clay layer that extends to approximately 25 feet bgs. Below the silt and clay layer is a sand and gravelly

sand layer that extends to at least 48 feet bgs (**Figure 4**). Both the silt and clay layer and the sand and gravel layer correspond to the Recent Alluvium.

1.1.3 Site Hydrogeology

In April 2006, first groundwater was detected between 34 and 38 feet bgs (approximately 112 feet MSL) and corresponds to the Gaspur Aquifer. In August 2006, water levels have since risen slightly to between 33 and 37 feet bgs. Groundwater flow varies between the south-southwest and south-southwest at an approximate gradient of 0.001 feet per foot (ft/ft).

1.2 Site Conceptual Model

In accordance with the Site conceptual model developed below, the subsurface at the Site and Site vicinity was previously divided into three operable units: Operable Unit 1 (OU-1), Operable Unit 2 (OU-2), and Operable Unit 3 (OU-3) (**Figure 4**). OU-1 consists of fill material underlying the Site from ground surface to the top of the buried concrete pad (approximately 7 feet below ground surface). OU-2 consists of on-Site soils and the first groundwater zone, from the base of the concrete pad to approximately 50 feet below ground surface (bgs). OU-3 consists of the off-Site soils and the first groundwater zone.

Fill material in OU-1 is impacted by petroleum hydrocarbons (C7 to C36), fuel volatile organic compounds (VOCs), probably representing pre-existing contamination from the former storage tank, and chlorinated solvent compounds, consistent with releases of tetrachloroethylene (PCE) from the APC facility.

2. GROUNDWATER SAMPLING

2.1 Groundwater Gauging and Sampling Procedures

Well construction details for the four groundwater monitoring wells (MW-1 through MW-4) are included in **Table 1**. On August 31, 2006, the four monitoring wells were gauged and then purged and sampled. Following gauging, the wells were purged of at least three well volumes of water, allowed to recover, and then sampled using an electric submersible pump. Groundwater gauging and sampling field notes are provided in **Appendix A**.

2.2 Waste Disposal

Waste generated as part of this investigation included purged groundwater and decontamination water used during sampling. Water was contained in one Department of Transportation (DOT) approved 55-gallon drum and temporarily stored at the Site prior to disposal. The drum of groundwater and decontamination water will be removed from the Site and transported to a suitable off-Site disposal facility by a licensed non-hazardous waste hauler.

2.3 Quality Assurance/Quality Control Sampling

Field quality assurance/quality control (QA/QC) samples were collected on August 31, 2006, during groundwater sampling activities. An equipment rinsate blank was collected from the electric submersible pump by running distilled water through the pump into three 40-milliliter (ml) volatile organic analysis (VOA) vials. A field blank was collected by filling three 40 ml VOA vials with distilled water, leaving them exposed to ambient air during collection of the equipment blank, and then sealing them. A trip blank, consisting of two sealed 40 ml VOA vials with distilled water, was obtained from the laboratory and kept in the ice-chest throughout the day to evaluate if there was any introduction of contaminants during storage and transportation.

2.4 Laboratory Analyses

Monitoring well groundwater samples and QA/QC samples were labeled, placed in an ice chest, and delivered under chain of custody to Sierra Analytical Inc. of Laguna Hills, California, within 24 hours of collection. The samples were analyzed for the following:



- Total petroleum hydrocarbons (TPH), ranging from C7 to C36, in accordance with United States
 Environmental Protection Agency (USEPA) Method 8015B; and
- VOCs in accordance with USEPA Method 8260B.

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3. GROUNDWATER RESULTS

3.1 Groundwater Results

Groundwater depths in the four monitoring wells ranged from 33.03 to 37.04 feet bgs (**Table 2**). During this sampling event, groundwater flow was generally towards the south-southeast at a gradient of 0.0009 ft/ft (**Figure 3**).

A sheen of light non-aqueous phase liquid (LNAPL) was observed on the water level probe in three of the wells, MW-1, MW-2, and MW-4. Groundwater collected from well MW-3 had a hydrocarbon odor, but no LNAPL was observed.

Groundwater gauging and laboratory analytical results are provided in **Tables 2 and 3**, respectively. The complete laboratory report, including chain of custody and laboratory QA/QC analyses, is provided in **Appendix B**.

Petroleum hydrocarbons were detected in groundwater in four monitoring wells, MW-1, MW-2, MW-3, and MW-4 (**Figure 6**); however, the TPH concentrations in every well were significantly less than the previously recorded April concentrations. The maximum concentration of TPH decreased from 65 milligrams per liter (mg/L) in April to 16 mg/L in well MW-1 (**Table 3**). The minimum TPH concentration also decreased, from 46 mg/L to 2.1 mg/L in well MW-3. The lateral distribution of TPH in groundwater for this sampling event is depicted in **Figure 4**.

Chlorinated solvents were detected in every well (**Figure 7**). Since April 2006, the concentration of trichloroethene (TCE) in upgradient well MW-1 have increased from 1.3 micrograms per liter (ug/L) to 21 ug/L. Vinyl chloride (VC) concentrations in groundwater collected from well MW-1 have decreased from 20 ug/L in April 2006 to 9.9 ug/L in August. Otherwise, chlorinated solvent concentrations in groundwater collected from wells MW-1 through MW-4 have remained fairly constant.

3.2 QA/QC Analytical Results

The results of QA/QC sample analyses are provided in **Table 4**. Groundwater laboratory QA/QC samples for TPH and chlorinated solvents were generally within acceptable levels. A review of the laboratory analytical report indicates that all internal laboratory QA/QC calibration checks, matrix spike, and matrix spike duplicate recoveries were within acceptable ranges (**Appendix B**). Chlorinated

solvents and TPH were not detected in the equipment rinsate blank, field blank or trip blank. However, chloroform was detected in the field blank at the reporting limit of 1.0 ug/L. Chloroform is a common lab contaminant and was not detected in any of the groundwater samples. In addition, isopropylbenzene was detected at 2.3 ug/L in the equipment blank. The isopropylbenzene concentration was considered insignificant since concentrations of isopropylbenzene detected in groundwater were 25 times greater than the concentration detected in the equipment blank. During this sampling event, the equipment blank was collected from the sampling pump. The pump was cleaned before sampling and between each well by pumping it with water from a three bucket decon rinse system: the first bucket contained distilled water and a non-phosphate detergent, and the second and third bucket contained tap water only. Groundwater results are deemed acceptable for the following reasons: standard decontamination practices were followed, chlorinated solvents are the primary contaminants of concern, and they were not detected in any of the sampling blanks.

4. CONCLUSIONS AND RECOMMENDATIONS

4.1 Conclusions

In August 2006, groundwater flow beneath the Site was towards the south-southeast at a gradient of 0.0009 ft/ft, and depth to groundwater ranged from to 33.03 to 37.04 feet bgs (113.73 to 113.90 feet MSL).

In August 2006, the TPH concentrations detected in groundwater beneath the Site have generally decreased. TCE concentrations collected in groundwater from upgradient well MW-1 have generally increased and VC concentrations have decreased. Otherwise, chlorinated solvent concentrations detected in groundwater collected from wells MW-1 through MW-4 have remained fairly constant.

4.2 Recommendations

In accordance with the DTSC's request, three additional quarterly groundwater sampling events should be conducted to analyze the contaminant trends.



5. CLOSURE

We trust that this report satisfies your current requirements and provides suitable documentation for your records. If you have any questions or require further details, please contact the undersigned at any time.

Respectfully Submitted:

WorleyParsons Komex

Le Paprochifa Lindsay Masters

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Staff Geologist

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Project Manager

6. REFERENCES

DWR, 1961. Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County. Bulletin No. 104. Appendix A Ground Water Geology. State of California Department of Water Resources Southern District. Dated June 1961.



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Table 1Monitoring Well Construction Details
Associated Plating Company

| Well ID | Drilling Method | Installation Date | Well Casing Diameter (inches) | Latitude | Longitude | Wellhead Elevation (feet amsl) | Top of Casing Elevation (ft amsl) | Well Depth (feet bgs) | Well Depth (feet amsi) | Screen Slot Size (inches) | Screened Interval (feet bgs) | Screened Interval (feet amsl) |
|---------|--------------------|----------------------|--|------------|------------|--------------------------------------|--|-----------------------------|------------------------------|---------------------------------|------------------------------------|-------------------------------------|
| MW-1 | HSA | 4/5/2006 | 2 | 33,9527753 | -118,05925 | 147.36 | 146.93 | 43.0 | 103.9 | 0,01 | 33 to 43 | 114.35 to 104.35 |
| MW-2 | HSA | 4/5/2006 | 2 | 33.9524570 | -118.05920 | 149.81 | 149.41 | 47.0 | 102.4 | 0.01 | 37 to 47 | 112.79 to 102.79 |
| MW-3 | HSA | 4/6/2006 | 2 | 33.9523123 | -118.05931 | 151.06 | 150.67 | 47.0 | 103.7 | 0.01 | 37 to 47 | 114.04 to 104.04 |
| MW-4 | HSA | 4/6/2006 | 2 | 33.9522795 | -118.05949 | 151.13 | 150,77 | 47.0 | 104.1 | 0.01 | 37 to 47 | 114,13 to 104.13 |

¹⁾ amsl = above mean sea level

²⁾ bgs = below ground surface

³⁾ HSA = hollow stem auger



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Table 2
Groundwater Elevations
Associated Plating Company

| Well ID | Top of Casing Elevation (feet amsl) | Date | Depth to Groundwater (feet btoc) | Groundwater Elevation (feet amsl) |
|---------|---|----------|--|---|
| MW-1 | 146.93 | 04/12/06 | 34.33 | 112.60 |
| | | 08/31/06 | 33.03 | 113.90 |
| MW-2 | 149.41 | 04/12/06 | 36.87 | 112.54 |
| | | 08/31/06 | 35.62 | 113.79 |
| MW-3 | 150.67 | 04/12/06 | 38.20 | 112.47 |
| | | 08/31/06 | 36.89 | 113.78 |
| MW-4 | 150.77 | 04/12/06 | 38.36 | 112.41 |
| | | 08/31/06 | 37.04 | 113.73 |

- 1) bgs = Below ground surface
- 2) amsl = above mean sea level
- 3) btoc = below top of casing



Table 3TPH Carbon Range Groundwater Results
Associated Plating Company

| | | MW-1 | MW-1 | MW-2 | MW-2 | MW-3 | MW-3 | MW-4 | MW-4 |
|---|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| Analyte | Units | 4/12/06 | 8/31/06 | 4/12/06 | 8/31/06 | 4/12/06 | 8/31/06 | 4/12/06 | 8/31/06 |
| <c8< td=""><td>mg/L</td><td><0.10</td><td><0.10</td><td><1.0</td><td>0.11</td><td><1.0</td><td>0.051</td><td><1.0</td><td>0.084</td></c8<> | mg/L | <0.10 | <0.10 | <1.0 | 0.11 | <1.0 | 0.051 | <1.0 | 0.084 |
| C8-C9 | mg/L | <0.10 | <0.10 | <1.0 | 0.040 | <1.0 | 0.014 | <1.0 | 0.031 |
| C9-C10 | mg/L | <0.10 | <0.10 | 1.1 | 0.073 | <1.0 | 0.030 | <1.0 | 0.056 |
| C10-C11 | mg/L | 0.33 | 0.13 | 2.0 | 0.16 | <1.0 | 0.076 | <1.0 | 0.13 |
| C11-C12 | mg/L | 0.66 | 0.20 | 2.8 | 0.14 | <1.0 | 0.087 | <1.0 | 0.17 |
| C12-C14 | mg/L | 5.1 | 1.2 | 5.9 | 0.70 | <1.0 | 0.26 | 1.8 | 0.40 |
| C14-C16 | mg/L | 6.7 | 1.6 | 5.8 | 0.76 | 1.5 | 0.34 | 5.4 | 0.56 |
| C16-C18 | mg/L | 6.8 | 1.6 | 5.0 | 0.63 | <1.0 | 0.24 | 4.4 | 0.39 |
| C18-C20 | mg/L | 4,1 | 0.94 | 3.6 | 0.54 | 1.1 | 0.19 | 4.0 | 0.27 |
| C20-C24 | mg/L | 12 | 2.4 | 7.0 | 1.1 | <1.0 | 0.29 | 5.2 | 0.48 |
| C24-C28 | mg/L | 16 | 4.2 | 7.1 | 1.3 | 2.6 | 0.31 | 9.6 | 0.57 |
| C28-C32 | mg/L | 12 | 3.9 | 10 | 1.1 | 35 | 0.23 | 27 | 0.46 |
| >C32 | mg/L | 0.65 | 0.28 | 3.5 | 0.046 | 4.3 | 0.015 | 2.6 | 0.030 |
| Total C7-C36 | mg/L | 65 | 16 | 54 | 6.7 | 46 | 2.1 | 60 | 3.6 |

¹⁾ TPH = total petroleum hydrocarbons (carbon range) analyzed using EPA Method 8015B

²⁾ mg/L = milligrams per liter

³⁾ <0.10 = compound not detected at or above the indicated laboratory reporting limit

⁴⁾ Bold type indicates compound was detected.

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Table 4
VOC Groundwater Results
Associated Plating Company

| | | Location | MW-1 | MW-1 | MW-2 | MW-2 | MW-3 | MW-3 | MW-4 | MW-4 |
|--|--------------|--|--|---------------------|--------------|--------------|-------------------|--------------------|--------------|--------------|
| Analyte | Units | Date | 4/12/06 | 8/31/06 | 4/12/06 | 8/31/06 | 4/12/06 | 8/31/06 | 4/12/06 | 8/31/06 |
| 1,1,1,2-Tetrachloroethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachloroethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichloroethane | ug/L | en esten na estanta on na nation en en principa en | <1.0 | <1.0 | <1.0 | <1,0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethane | ug/L | h | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethylene | ug/L | ##\\#\##\#\\#\#\ | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropylene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichloropropane 1,2,4-Trichlorobenzene | ug/L | | <5.0 <1.0 | <1.0 <1.0 | <5.0 <1.0 | <1.0 <1.0 | <5.0 | <1.0 <1.0 | <5.0 <1.0 | <1.0 <1.0 |
| 1,2,4-Trimethylbenzene | ug/L | | <1.0 | <1.0 <1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | <1.0 |
| 1,2-Dibromo-3-Chloropropane (DBCP) | ug/L ug/L | The Manager like two broadlands a first transference a first because of a first broadland of the first broadlands and the | <5.0 | <5.0 | <5.0 | <5.0 | 23 <5.0 | 3.4 <5.0 | <5.0 | <5.0 |
| 1,2-Dibromoethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | ug/L | ra, a .a r., b .a aa, aa, aa, aa aa aa aa aa aa | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloroethane | ug/L | . d | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | ug/L | es en cara da da C. San de astras de de da da da desara es | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | ug/L | ************************************** | <1.0 | <1.0 | <1.0 | <1.0 | 6.3 | 1.2 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | ug/L | neran neran an automan an neraeraetan an antrau a | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | ug/L | 30 m 10 m. 10 m. 10 m. 10 m. 10 m. 10 m. 10 m. 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2,2-Dichloropropane | ug/L | militan an anton torre receive autoritariore | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Chlorotoluene | ug/L | ************************************** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1,0 | <1.0 |
| 2-Phenylbutane | ug/L | | <1.0 | <1.0 | 16 | 12 | 16 | 11 | 16 | 13 |
| 4-Chlorotoluene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Benzene | ug/L | THE STREET AND SECURE AND ADDRESS OF SECURE AND ADDRESS. | 1.3 | <1.0 | 2.3 | 3.1 | 2.0 | 3.7 | 3.6 | 7.6 |
| Bromobenzene | ug/L | an north the decide and the ten has not all the decided the tenths. | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromodichloromethane . | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromomethane | ug/L | | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 |
| Butylbenzene,n- | ug/L | 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon Tetrachloride | ug/L | adi Andilik sun tuk sunsuksuksuksuksuksuksuksussus suur antikens | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| CFC-11 | ug/L | and the second s | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 |
| CFC-12 | ug/L | | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 |
| Chlorobenzene | ug/L | 77 / 744 3 47 4 77 73474 744 744 744 744 747 748 74 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chlorobromomethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chlorodibromomethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | ug/L | | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 |
| Chloroform | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | ug/L | E COCCONATIONO AND COCCONOMISMO AND COCCONOMISMO | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 |
| cis-1,2-Dichloroethene (cis 1,2-DCE) | ug/L | | 5.5 | 8.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | ug/L | oo oo oo ahaa oo gaahay gagaa gaahaa ay gayyaa hah oo ag | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Cymene | ug/L | *********************** | 3,2 | 1.8 | 4.1 | 3.2 | 1.4 | <1.0 | 4.1 | <1.0 |
| Dibromomethane | ug/L | ************************************ | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Diisopropyl Ether (DIPE) | ug/L | | —————————————————————————————————————— | <1.0 | | <1.0 | | <1.0 | | <1.0 |
| Ethylbenzene | ug/L | *** | <1.0 | <1.0 | <1.0 | <1.0 | 21 | 3.1 | 1.5 | <1.0 |
| Ethyl-tert-butyl Ether (ETBE) | ug/L | | -4.0 | <1.0 | -4.0 | <1.0 | | <1.0 | -4.0 | <1.0 |
| Hexachloro-1,3-Butadiene | ug/L | ********************** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Isopropylbenzene Methylene Chloride | ug/L | ME AA ANSIN AA'AA NA AA A | 1.9 | <1.0 | 75 | 57 | 83 | 74 | 86 | 87 |
| Methyl-tert-Butyl Ether (MTBE) | ug/L | 27 As 2 Ch. A . A . 2 . A . 2 . A . 4 . A A A | <1.0 8.9 | <1.0 2 .0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Naphthalene | ug/L ug/L | | 6.9 1.6 | <1.0 | 3.5 16 | 3.0 12 | 1.9 46 | 2.2 8.7 | 3.0 4.5 | 2.8 1.9 |
| Propylbenzene,n- | ug/L | erine necessaries and the real later with the later later later later later later. | <1.0 | <1.0 | 9.4 | 3.5 | 22 | 5.3 | 10 | 8.9 |
| Styrene (Monomer) | ug/L | eres yes steeres yes steered and a steered a secretarization and | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-amyl-methyl Ether (TAME) | ug/L | A+A+3+A++3+A+A+A+A+A+A+A+A++++++++++++ | ~1.0 | <1.0 | ~1,0 | <1.0 | ~1.0 | <1.0 | ~1.0 | <1.0 |
| tert-butyl Alcohol (TBA) | ug/L | | | <5.0 | | <5.0 | | <5.0 | | <5.0 |
| tert-Butylbenzene | ug/L | | 1.6 | <1.0 | 1.9 | 1.7 | <1.0 | 3.4 | <1.0 | 1.4 |
| Tetrachloroethene (PCE) | ug/L | ##1516061.#615a64040404040404040 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.7 | 1.2 |
| Toluene | ug/L | The transfer of the second on the second second | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.6 | <1.0 | <1.0 |
| trans-1,2-Dichloroethene | ug/L | era waa aaraa aaraa aaraa waa aaraa aa | 5.2 | 3.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | ug/L | du tu tu tu tu tu tu tu u u u u u u u u | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Tribromomethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichloroethene (TCE) | ug/L | CONTRACTOR CONTRACTOR AND AN ACCIDITATION OF THE CONTRACTOR CONTRA | 1.3 | 21 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Vinyl Chloride (VC) | ug/L | en vocames fol frame es est tribust, as altrafet mat à | 20 | 9.9 | 50 | 47 | 53 | 58 | 57 | 54 |
| Xylene, O- | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | 2.6 | <1.0 | <1.0 | <1.0 |
| Xylene, P-, M- | ug/L | a - An Anna - A a antibolita - Annin Linn and Marian China Annia. | <1.0 | <1.0 | <1.0 | <1.0 | 28 | 3.1 | <1.0 | <1.0 |

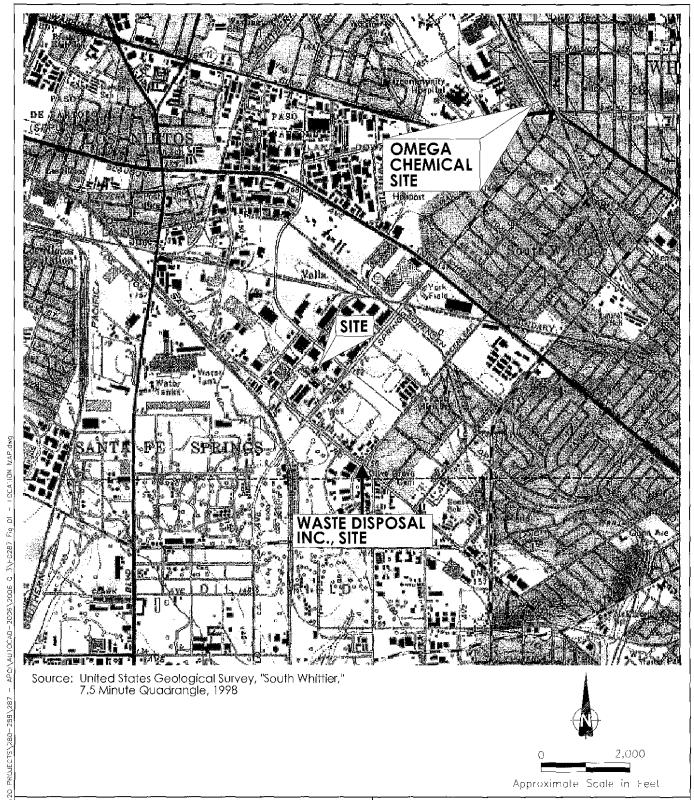
- 1) VOC = volatile organic compounds analyzed using EPA Method 8260B
- 2) ug/L = micrograms per liter
- 3) <1.0 = compound not detected at or above the indicated laboratory reporting limit
- 4) -- = not analyzed
- 5) Bold type indicates compound was detected.

resources & energy

Table 5 Field Quality Assurance/Quality Control Sample Results **Associated Plating Company**

| | | Sample Type | Equipme | ent Blank | Field | Blank | Trip | Blank |
|--|----------------|--|------------------|------------------|------------------|------------------|--|---------------------------------------|
| | | Sample Date | 4/12/06 | 8/31/06 | 4/12/06 | 8/31/06 | 4/12/06 | 8/31/06 |
| Analyte | Units | Sample ID | EB-41206 | EB083106 | FB-41206 | FB083106 | TB-41206 | TB083106 |
| TPH - Carbon Range | | | | | | | | |
| >C32 Total C7-C36 | . mg/L mg/L | | <0.010 <0.050 | <0,010 <0,050 | <0.010 <0.050 | <0.010 <0.050 | | |
| C28-C32 | mg/L | PARENT MATERIANA ARTERIA IANA ARTERIA FANALARIA FANALARIA | <0.050 | <0.050 | <0.010 | <0.030 | —— W4.2-46464-4-464-7-4-4-4-4-4-4-4-4-4-4-4-4-4 | |
| C24-C28 | mg/L | | <0.010 | <0.010 | <0.010 | <0.010 | | |
| C20-C24 | mg/L | HT - COTO HEROTO HE CONTRACTOR OF CONTRACTOR | <0.010 | <0.010 | <0.010 | <0.010 | | |
| C18-C20 | mg/L | ************************************ | <0.010 | <0.010 | <0.010 | <0.010 | ****************************** | |
| C16-C18 | mg/L | P. A. Salah (A. F. B. B. Salah). Anti-an-an-an-an-an-an-an-an-an-an-an-an-an- | <0.010 | <0.010 | <0.010 | <0.010 | | ### |
| C12-C14 | mg/L | | <0.010 | <0.010 | <0.010 | <0.010 | | |
| C11-C12 | mg/L | habita a haran na na nana anna anna anna anna | <0,010 | <0.010 | <0.010 | <0.010 | | |
| C10-C11 | mg/L | | <0.010 | <0.010 | <0.010 | <0.010 | ## | <u> </u> |
| C9-C10 | mg/L | 91/12/41/91/11/14/11/12/14/1/12/14/1/14/1 | <0.010 | <0.010 | <0.010 | <0.010 | ************************************** | · · · · · · · · · · · · · · · · · · · |
| C8-C9 | mg/L | 0 6 1 5 6 4 6 4 6 6 6 6 4 4 4 4 4 5 6 6 6 6 6 | <0.010 | <0.010 | <0.010 | <0.010 | | researce on the A. Hardeners. |
| C14-C16 <c8< td=""><td>mg/L</td><td></td><td><0.010</td><td><0.010 <0.010</td><td><0.010</td><td><0.010</td><td></td><td></td></c8<> | mg/L | | <0.010 | <0.010 <0.010 | <0.010 | <0.010 | | |
| VOCs | mg/L | | <0.010 | ~0.010 | <0.010 | <0.010 | | |
| 2-Phenylbutane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | ug/L | 11.18111.11.11.11.11.11.11.11.11.11.11.1 | <1.0 | <1.0 | <1,0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloroethane | ug/L | V CARTA / AMARICA CA Abraha And care consecuence or conse | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | ug/L | MALE ALL ALL ALL ALL ALL ALL ALL ALL ALL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | ug/Ł | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | ug/L | ************************************** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Chlorotoluene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromoethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethane | ug/L | | <1.0 | <1.0 | <1.0 | <1,0 | <1.0 | <1.0 |
| 2,2-Dichloropropane | ug/L | W. 1878/1884 1878/1884 1884 1884 1884 1884 1884 1884 188 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromo-3-Chloropropane (DBCP) | ug/L | | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| 1,2,4-Trimethylbenzene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trichlorobenzene 1,2,3-Trichloropropane | ug/L | Owner of the American Contract of the Contract | <1.0 | <1.0 | <1.0 <5.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | ug/L ug/L | ************************************** | <5.0 <1.0 | <1.0 <1.0 | <1.0 | <1.0 <1.0 | <5.0 <1.0 | <1,0 <1.0 |
| Benzene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichlorgethylene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromobenzene | ug/L | . (AY). (6(1). Ar . (4). (4) A AA AAA | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichloroethane | ug/L | Accession of the following in 1919 and 1949 a | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachioroethane | ug/L | ** V * WEST * 1 A W * W * W * A * A * A * A * A * A * A | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | ug/L | Water Statement Color and the Color Color Statement Color Co | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1,2-Tetrachloroethane | ug/L | nh hiệu chi ca chiến cao cuộ Mộc học giới dọc quố quê liện quê Ngi chiếc cuộ cuộ cao co ca | <1.0 | <1,0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropylene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Tetrachloroethene (PCE) | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Isopropylbenzene | ug/L | AVSC SAN UT transfer A Coder was a consequence of the con- | <1.0 | 2.3 | <1.0 | <1.0 | <1.0 | <1.0 |
| Methylene Chloride | ug/L | | <1.0 | <1.0 | <1,0 | <1.0 | <1.0 | <1.0 |
| Methyl-tert-Butyl Ether (MTBE) | ug/L | *** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Naphthalene | ug/L | A NOVEMBER OF THE PROPERTY OF | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Propylbenzene,n- Styrene (Monomer) | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-amyl-methyl Ether (TAME) | ug/L ug/L | · · · · · · · · · · · · · · · · · · · | <1.0 | <1.0 <1.0 | <1.0 | <1.0 <1.0 | <1.0 | <1.0 <1.0 |
| 4-Chlorotoluene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-Butylbenzene | ug/L | OCCUPATION AND AN ARRANGE AND APPLICATION OF ARRANGE VEHICLE ARRANGE | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Ethylbenzene | ug/L | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Toluene | ug/L | .,,,, | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,2-Dichloroethene | ug/L | ************************************** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichtoropropene | ug/L | AL R. F. LEE AL REAL AS AS AS AS AS AS AS AS AS ASSASSAS AS | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Tribromomethane | ug/L | V WORKS V V 101 DA 102 DE LA | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichloroethene (TCE) | ug/L | 17a - 8.1 au 111 au | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Vinyl Chloride (VC) | ug/L | ************************************** | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 |
| Xylene, O- | ug/L | · · · · · · · · · · · · · · · · · · · | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| ert-butyl Alcohol (TBA) | ug/L | th thinks to the terms on an an an an an anaesta areas and an an | | < 5.0 | | <5.0 | CICOLO CIPRIMIE LOS ACORDOS ASTRONOS CONTRACTORAS | <5.0 |
| Chloroethane | ug/L | ., | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 |
| Bromodichloromethane | ug/L | ALOND ALONG 1473-635,15-6-1674-16701-16701-1 | <1.0 | <1.0 | <1.0 <5.0 | <1.0 | <1.0 | <1.0 |
| Bromomethane Butylberizene,n- | ug/L ug/L | WEST TO THE TOTAL THE TOTAL THE TOTAL THE TOTAL AND AN ANALASIA | <5.0 <1.0 | <1.0 <1.0 | <5.0 <1.0 | <1.0 <1.0 | <5.0 <1.0 | <1.0 <1.0 |
| Sutylberizene,n- Carbon Tetrachloride | ug/∟ ug/L | | <1.0 | <1.0 | <1.0 <1.0 | <1.0 | <1.0 <1.0 | <1.0 |
| CFC-11 | ug/L | 717171717111111111111111111111111111111 | <5.0 | <1.0 | <5.0 | <1.0 | <5.0° | <1.0 |
| CFC-12 | ug/L | PROTECTION AND THE ARTACLES AND ALL SAME VALUE OF COMMENCE | <5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 |
| Chlorobenzene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Hexachloro-1,3-Butadiene | ug/L | VANDARA / 1 / 100.07 A / 100.07 V AAAANO 100 U/ 100 100 100 100 100 100 100 100 100 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chlorodibromomethane | ug/L | ATRICETATAL BEALTH AND AN AN ANALYSIS AND AN AND AN AND AN AND AN AND AN AND AND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Ethyl-tert-butyl Ether (ETBE) | ug/L | | | <1.0 | | <1.0 | | <1.0 |
| Chloroform | ug/L | | <1.0 | <1.0 | <1.0 | 1.0 | <1.0 | <1.0 |
| Chloromethane | ug/L | | < 5.0 | <1.0 | <5.0 | <1.0 | <5.0 | <1.0 |
| sis-1,2-Dichloroethene (cis 1,2-DCE) | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Cymene | ug/L | 94969x 9754666660466600000 Ausbern Armen Armen | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromomethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Diisopropyl Ether (DIPE) | ug/L | 000 - 0 - 000 000 000 00 00 00 00 00 00 | | <1.0 | | <1.0 | | <1.0 |
| Kylene, P-, M- | ug/L | YANNIN (A) A CO OO (A CO CO (AYO CO CO (AYO CO (AYO CO CO) | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chlorobromomethane | ug/L | | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |

- 1) TPH = total petroleum hydrocarbons (carbon range) analyzed using EPA Method 8015B
- 2) VOCs = volatile organic compounds analyzed using EPA Method 8260B
- 3) mg/L = milligrams per liter
- 4) ug/L = micrograms per liter
- 5) <1.0 = compound not detected at or above the indicated laboratory reporting limit
- 6) Bold type indicates compound was detected.
- 7) -- = not analyzed



ASSOCIATED PLATING COMPANY 9636 ANN STREET, SANTA FE SPRINGS, CALIFORNIA

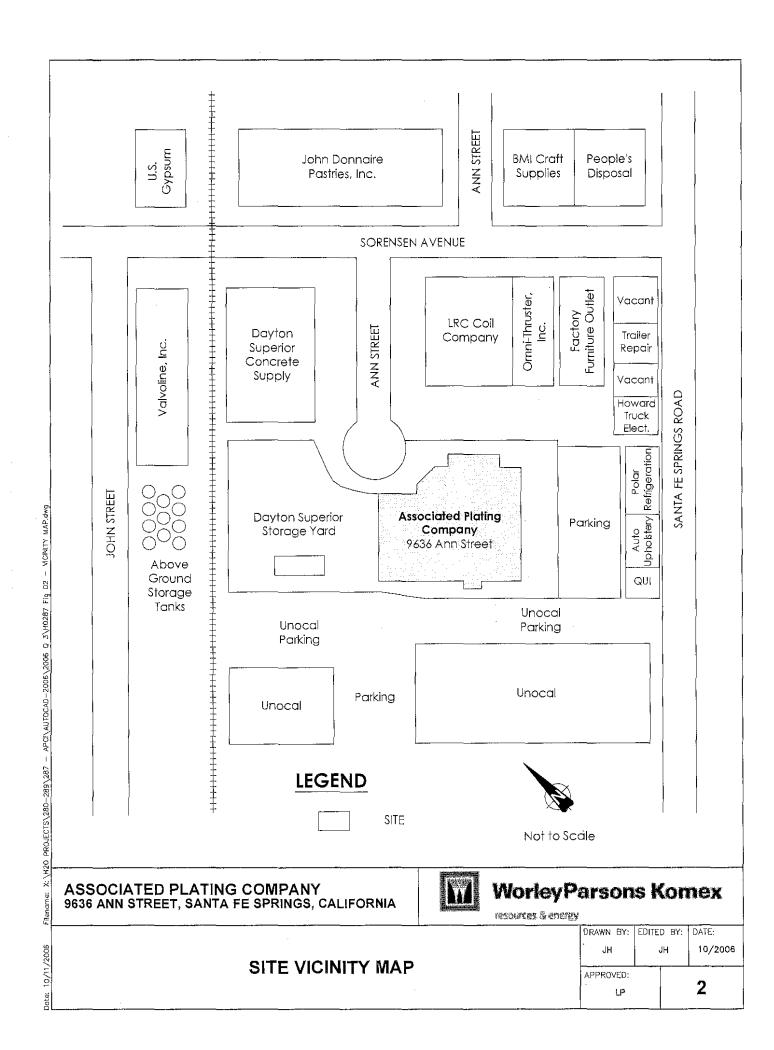


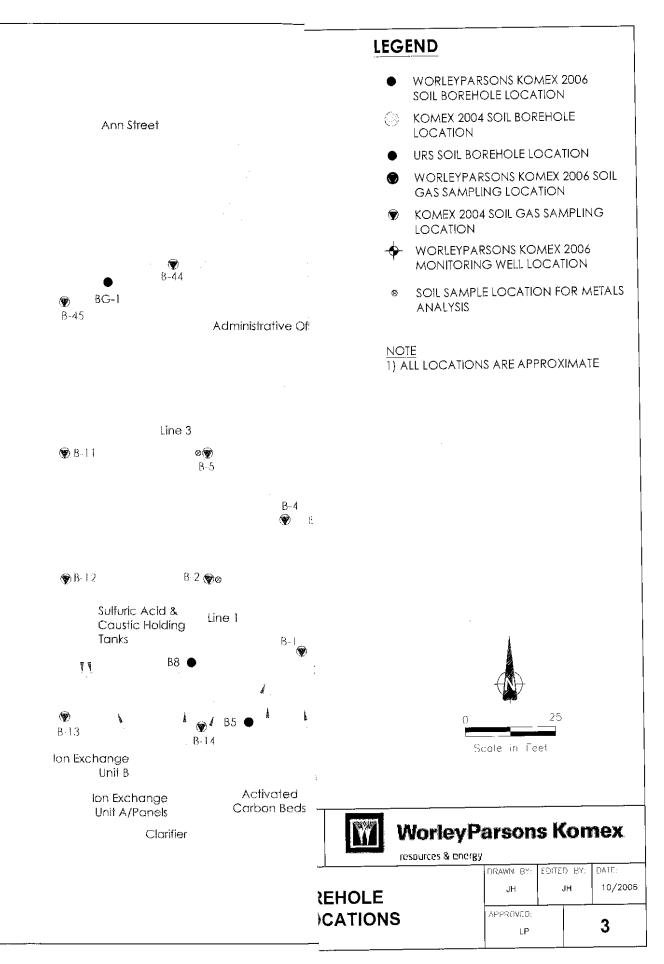
WorleyParsons Komex

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SITE LOCATION MAP

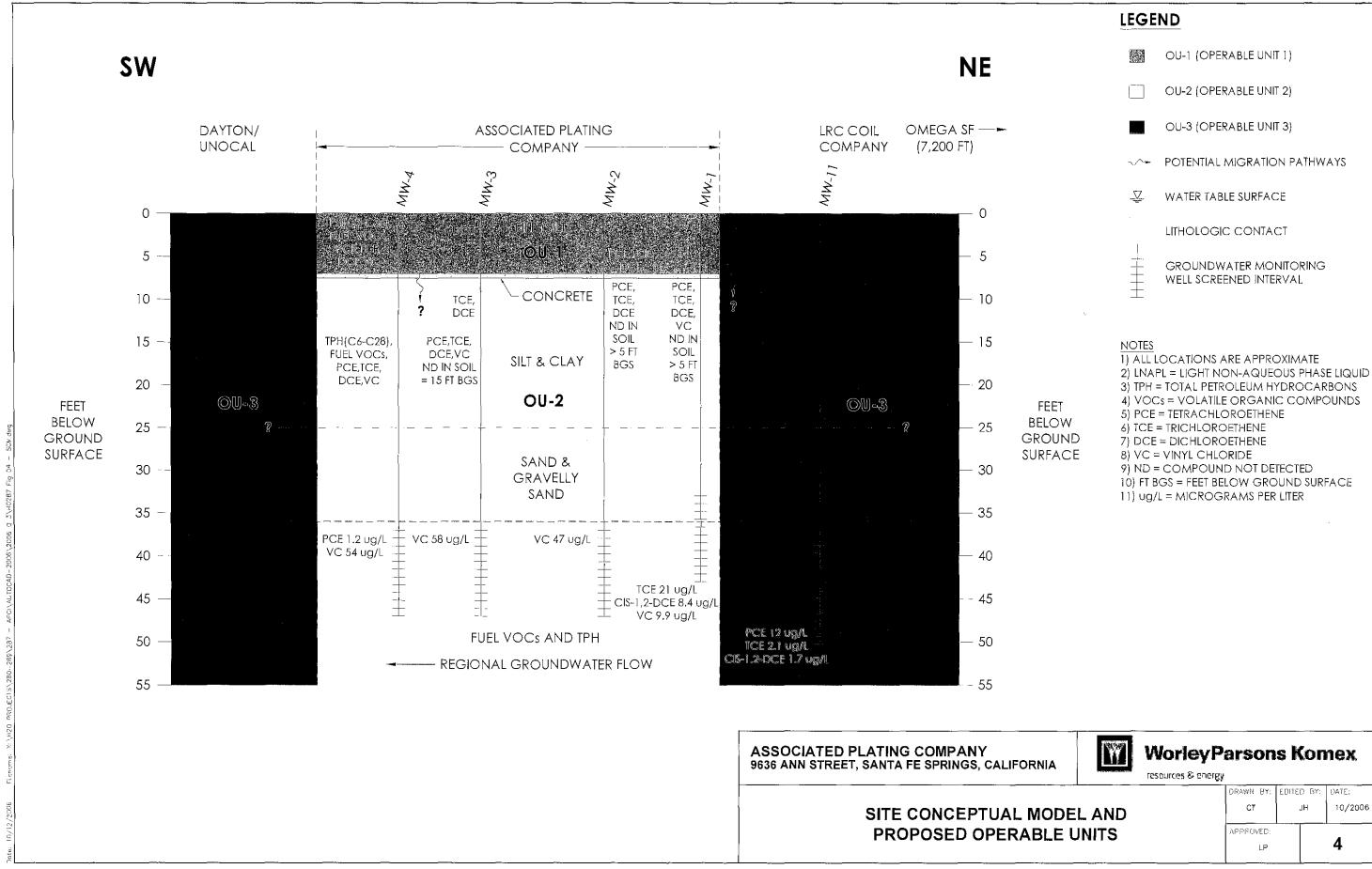
| | DRAWN BY: | CDITE | D BY: | DATE: | | |
|---|-----------|-------|-------|---------|--|--|
| | JH | | JH | 10/2006 | | |
| | APPROVED: | | | | | |
| | LP | | | 1 | | |
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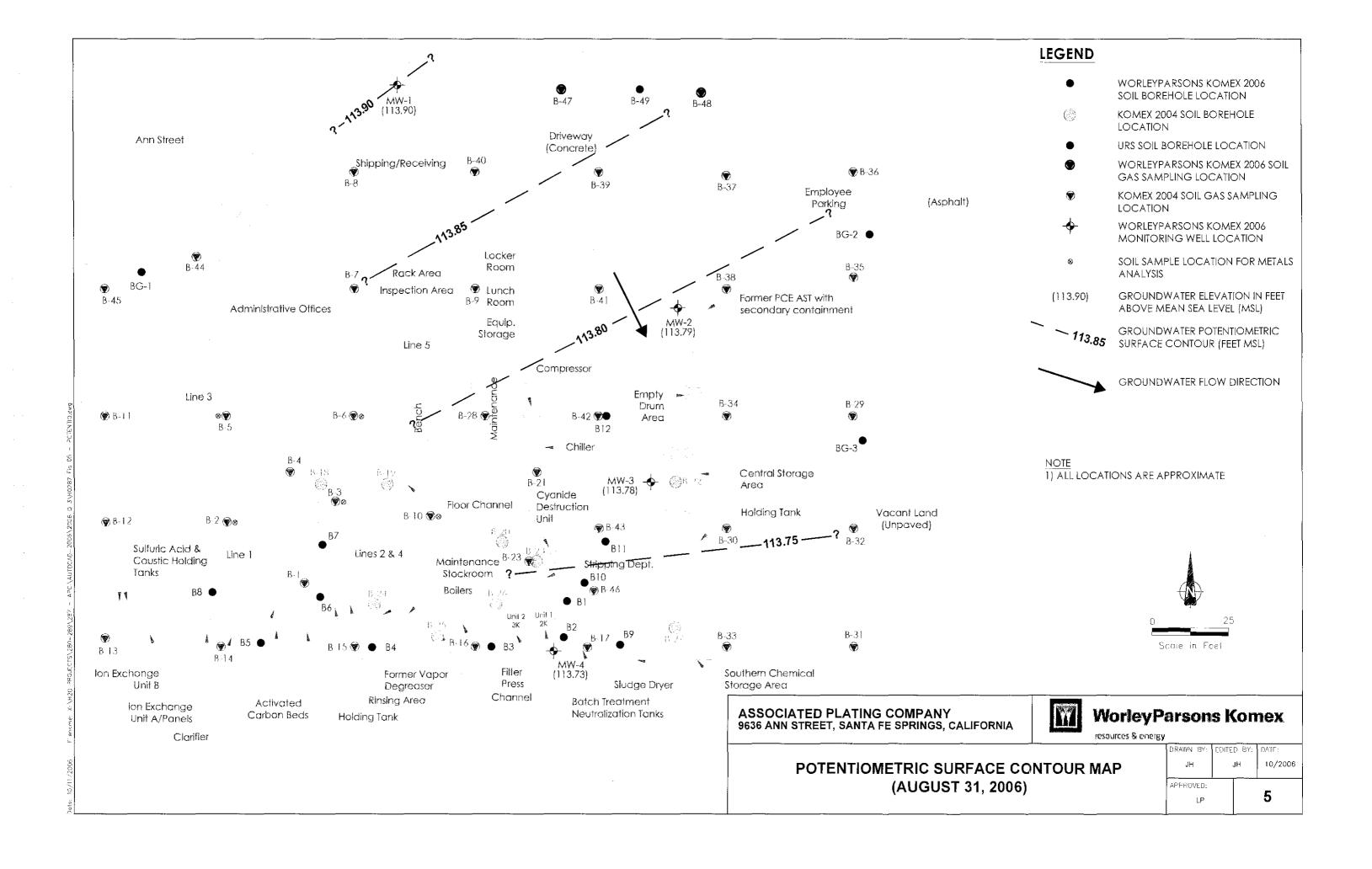


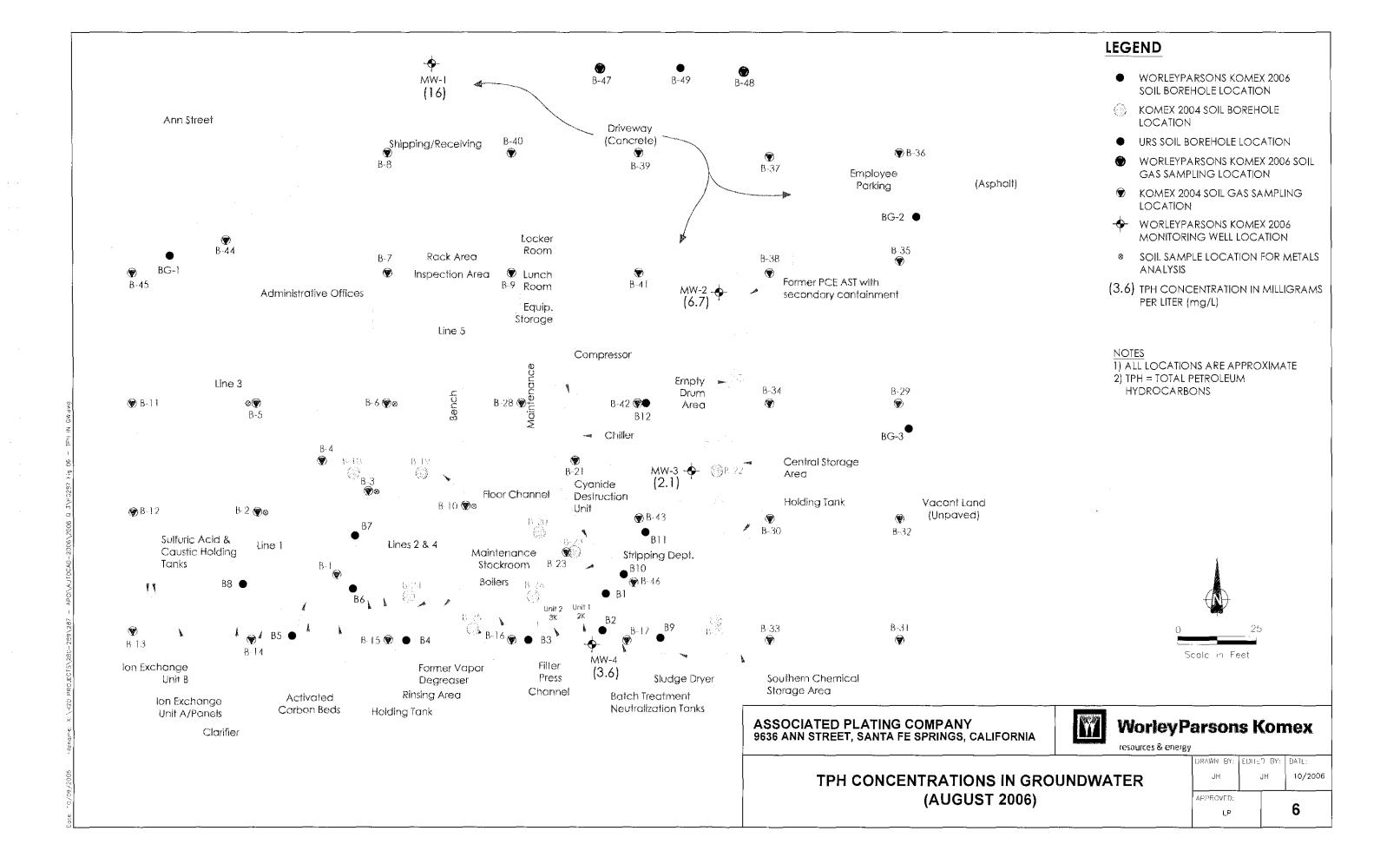


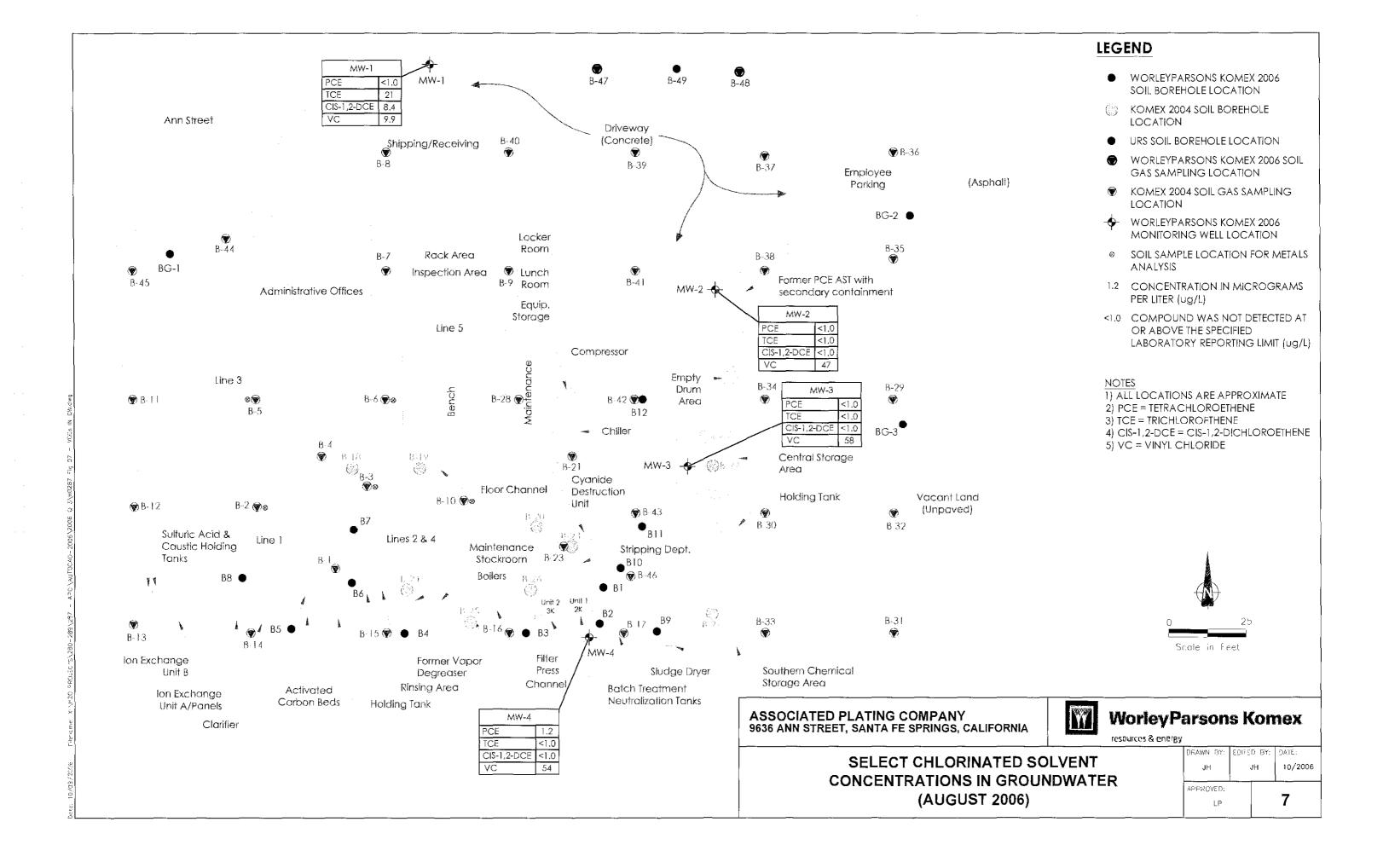
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9002/60/01











Appendix A Monitoring Well Sampling Forms

145554_2 H0287D: Rev A: 16 October 2006



MONITORING WELL SAMPLING FORM

5455 GARDEN GROVE BLVD., SECOND FLOOR WESTMINSTER, CA 92683-82D1, USA

| Project Name: APC | Date: 8 3 00 |
|------------------------|---------------|
| Project No.: Haz87D020 | Time: 4; 00 |
| Employee Name: (P+RH | Page f of / |

| TEL: 714.379.1157 FAX.: | : 714,379,1160 | | | | Employee | Name: / | P+ | RH | | Page \ of / | | |
|-----------------------------------|-----------------------|---------------------------------------|------------|---------------------------------------|------------------|---|--|--------------|-------------|-------------|--|--|
| WELL CONSTRUCTIO | N DETAILS | | WELL | NO:// | 11/2-1 | | · | LOCA | TION SKETCH | • | | |
| | Casing Type: | 21/6 | Screen Typ | | 10. | | ٠. | | | •• | | |
| | Diameter: | 77 | Diamter. | | | | 300 | 21 | k wab | • | | |
| Developed: I | ength: | | Length: | | | | | | | | | |
| Last Sampled: 1 | r.p.: 43 | <u> </u> | Slot Size: | | | | | | | | | |
| | | | | | | | | | | | | |
| WELL CONDITION: | 4000 | Water I | Deptit | 33, | 03 | a few dops of feer product on the proper but not of measureable guankly | | | | | | |
| G.S. Elev.: Y | O Water Depth: | | F.P. Thick | nesa: | | a | 7000 | nobi | of tra | er product | | |
| T.C. Elev.: y | Water Column: 4 | 7.97 | Water Odd | × | | 0 | ~ | Lip | volve bu | t not of | | |
| W.L. Elev: | Casing Volume: | 1,6 | Turbidity: | | | J | neas | urca | ht 140 | nh ty | | |
| Note: 2" = 0.16 g/ft; A" = 0.65 g | /ft; and 6" = 1.5 g/. | ft | | | | | | | / | 1 | | |
| | · | · · · · · · · · · · · · · · · · · · · | | . 21 | 2. | | | | | | | |
| Well Purging Method: | MODSOM | DUM-O | Purge V | ol.: , | 4 | | - · · · · · · · · · · · · · · · · · · · | | | | | |
| · | | * | - (| | 510- | · | | | | | | |
| WELL PURGING AND | | | | | mSICM | <u>ntu</u> | <u> </u> | lann. | Ta v av | DEL CADICO | | |
| | Purge Rate | Vol. | Temp. | pH | | Turbid. | DO. / | ORP | Sample No. | REMARKS | | |
| | ~ I gallmin | | a2.9 | 1000 | 7,99 | 944 | \/- | | - h | | | |
| 9:07 33.25 | | 1,3 | | 652 | 1.94 | 999 | | | | | | |
| 9:08 | | <u> </u> | 22.4 | 6,59 | 1.91 | 199 | | | | | | |
| 1:15 3305 | | 7 | | 648 | 1.90 | 909 | | | | | | |
| 9.17 33.05 | 1 | 4.8 | 301 | 4.50 | 10 10 | TU | /_ ' - | | · · | | | |
| | | 7.0 | | | | | $\overline{}$ | | | | | |
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| SAMPLING INFORM | ATION: | | | | | | | | | | | |
| Sample No. | l'ime | Sampling | Method | Contain | er | Analysis | Required | | | | | |
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| ADDITIONAL INFOR | MATION: | | - | | | · " · | | | | | | |
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| | | 43. | 00 | 7.4 |) > | | | | | | | |
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73.03 11 33.03 4 19.47 41 154.870



MONITORING WELL SAMPLING FORM

resources & energy

5455 GARDEN GROVE BLVD., SECOND FLOOR WESTMINSTER, CA 92683-8201, USA TEL.: 714.379.1157 FAX.: 714.379.1160

| Project Name: APC | Date: 8 31 66 |
|------------------------|---------------|
| Project No.: 402870020 | Time: 9135 |
| Employee Name: /P+RH | Page of (|

| WELL CON | STRUCTI | ON DETAILS | | WELL | NO: / | 1W-2 | | | LOCAT | ION SKETCH | : |
|-----------------|---------------------------------------|----------------------|-------------|---------------------------------------|-------------|----------|----------|-------------|--|---------------------------------------|----------------------------|
| DATES | | Casing Type: (| DVC | Screen Typ | | | | | | | |
| Constructed: | | Diameter: | 2" | Diamter: | | | | ે | U | Sit mo | ^{နှော} |
| Developed: | | Length: | | Length: | | | | | | | , |
| Last Sampled: | ··· | T.D.: 4 | | Siot Size: | | | | | | | |
| | | | | | | | ١. | | -u la | ls are slig | Adly lorsty |
| WELL CON | DITION: | mod | Water | Depth: | 35 | ,62 | | 15 487 | עוי יאועפיע | (3 V.C - 1 | |
| G.S. Elev.: | | Water Depth: | 55.62 | F.P. Thickn | ices: | ~ | 55 0 | | | | 1 . |
| T.C. Blev.: | | Water Column: | 11.38 | Water Odo | τ; | | 17 A F | lw d | 1075 | of fice | product on timeasurable |
| W.I., Elev: | | Casing Volume: | , 87 | Turbidity: | | | t, | he : | יאטוו | but no | + incusurable |
| Note: 2" = 0.16 | g/ft; gh = 0.65 | g/ft; and 6" = 1.5 g | /ft | | | | | 1 | , | | 4. |
| | | | | | | <u> </u> | _ | | | | |
| Well Purgir | g Method | 11/205000 | | Purge V | ol.: 🔏 | K15. | 5 | - | | | |
| | | PM | ul) | | , | | | | | | |
| WELL PUR | GING AN | D RECOVERY | ANALYS | SIS: OC | · | molan | ntu | | | | |
| Time | W.L. | Purge Rate | Vol. | Temp. | pН | Conduct. | Turbid. | D.O. | ORP | Sample No. | REMARKS |
| 9:40 | 35.54 | | | | | | | | | | |
| 14 | 36.30 | 0.5 | 0.1 | 24,2 | 7.13 | , 738 | 267 | | | | |
| 9:42 | | 0.5 | | 234 | 6.79 | 1.55 | 999 | | | | |
| 9:43 | 26 36 | | 3 | 235 | 6.81 | 155 | 942 | | | | |
| 9:4/41 | 36.37 | 0.7 | 3 | 23,3 | 6.77 | 1.59 | 683 | | | | |
| 9:45 | 3635 | 0.8 | 4 | 23.4 | G.76 | 16 | 391 | | | 1 - | |
| 9:46 | | 0.9 | 13 | 234 | 6.76 | 1.62 | 346 | | | | |
| 9:47 | 34.39 | (y | 55 | 232 | Vi, H | 1.63 | 242 | T | | | |
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| | | | 1 | | | | | | | | |
| SAMPLING | G INFORM | AATION: | | | | | | | | | |
| Sample No. | | Time | Sampling | g Method | Contain | er | Analysis | Require | i | | |
| MWZOS | 3406 | 9.49 | Prince | 27/1 | Vous > | LADDO | VOLS | + 7 | PH e | XHONE | range |
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| ADDITION | NAL INFO | RMATION: | | | | | | | | | |
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47.00 -35.02 17.378 17.378 11.378 11.378 11.378

history Mary



MONITORING WELL SAMPLING FORM

resources & energy

5455 GARDEN GROVE BLVD., SECOND FLOOR WESTMINSTER, CA 92683-8201, USA TEL.: 714.379.1157 FAX.: 714.379.1160

| Project Name: APC | Date: 8 29 106 |
|-------------------------|----------------|
| Project No.: H028710000 | Time: 1():11 |
| Employee Name: LP+R 11 | Page (of) |

| | | | | | | 1.7 | | -, , , | 1. | | |
|-----------------|-----------------|---------------------------------------|--------------|---------------------|---|---|----------|---------------|-------------|---------------------------------------|-----------------|
| WELL CO. | COURT INTERIOR | ONDERAGO | | TATEST T | NO. | | | | 1001 | T/\\ | |
| | ISTKUCTI | ON DETAILS | | | NO:M | W-3 | | | LUCAT | ION SKETCH | l : |
| DATES | | Casing Type: | PVC | Screen Typ | e; | | | | | ه هم مان | 2.0 |
| Constructed: | | | 211 | Diamter: | | | | 7 | 10 | sit ma | Y) |
| Developed: | | Length: | 1 | Length: | | | | | | | |
| Last Sampled: | | T.D.: / | 17_ | Slot Size: | | | | | | | |
| ****** | | i | TA7-11 | S (I. | - 7 <i>-</i> | N. 18. | | | | | |
| WELL CON | IDITION: | 9 (20%) | Water 1 | | 36, | 89 | | | dh | -1. | |
| G.S. Elev.: | | Water Depths | la U | F.P. Thickr | | DAR - | 57 No.1. | <i>(0.</i> 1 | THE P | 011- | |
| T.C. Elev.: | | Water Column: | 10.11 | Water Odo | <u>"hydr</u> | crathon | (Cao) | | | | |
| W.L. Blev: | | Casing Volume: | 1,62 | Turbidity: | | | | | | | |
| Note: 2" = 0.16 | g/ft; 47 = 0.65 | g/ft; and 6" = 1.5 p | r/ft | | | | | | | | |
| | | | | | | , , , , , , , , , , , , , , , , , , , | | | | | |
| Well Purgir | ig Method | 27.117.17. | | Purge V | ol.: 1- | 5 901 | | | | | • |
| | | Chon | | | | · | | | | · · · · · · · · · · · · · · · · · · · | |
| | | D RECOVERY | T | | | W71(W | | | · · · · · · | | Iminot a common |
| Time | W.L. | Purge Rate | Vol. | Temp. | pΗ | Conduct. | Turbid. | D.O. | ORP | Sample No. | REMARKS |
| | 36.91 | , | | 0- 4 | C-d | ļ <u></u> | 300 | <u> </u> | <u> </u> | ļ | |
| 10:14 | 37.0 | | 1/ \ | \mathbb{R}_{ℓ} | 6.16 | 1.39 | 191 | | <u> </u> | | |
| 10:15 | | , , | | 23.8 | 641 | 1000 | 949 | | ļ | ļ | |
| 10.10 | 37.15 | 2-100 Mm | 12 | 53.2 | 6.6.2 | 1167 | 915 | ļ | ļ | ļ | |
| 10:11 | 37.19 | 1, 0 | 5 | 33.2 | 0.65 | 1.76 | 1/8 | | ļ <u>.</u> | <u> </u> | |
| 10118 | 37-20 | | 14_ | 23.5 | 44 | 1.77 | 13/0 | | ļ | 17. | |
| 10:30 | | | 5 | 33.2 | 0105 | 1.77 | 92 | | ļ | | CYEC |
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| SAMPLING | SINFORM | AATION: | , | | , | · | | | | | |
| Sample No. | | Time | Sampling | | Contain | er | Analysis | | | | |
| M11309 | 52906 | 10:31 | Mon Say | k"] | VOAS + | 16 Amber | VOCS | , + - | TPH | 1x How | d fange |
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| ADDITION | IAL INFO | RMATION: | | | | | | | | | |
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| - - | | 47.00 | · ' i | ,62 | | | | | | | |

47.20 36.54 10.11 486 6066 0110 1.62

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resources & energy

5455 GARDEN GROVE BLVD., SECOND FLOOR WESTMINSTER, CA 92683-8201, USA TEL.: 714,379,1157 FAX.: 714,379,1160

| Project Name: APC | Date: | 8 | 34 106 |
|--------------------------|-------|----|--------|
| Project No.: Han 87 DO20 | Time: | 1 | ₩ 3⁄ |
| Employee Name: LP + RH | Page | 10 | of |

| WELL CONSTRUCTION DETAILS WELL NO: MIN 4 | | | | | | | i | | LOCAT | TON SKETCH | Ĩ4 | | | | | | |
|--|----------------------------------|----------------------|---------------------------------------|-------------|----------|---|----------|-------------|--|---------------------------------------|---------------------------------------|--|--|--|--|--|--|
| DATES Casing Type: V C Screen Type: | | | | | | | | | | - 11 - | | | | | | | |
| Constructed: | tructed: Diameter: Q V Diameter: | | | | | | | | See Six map | | | | | | | | |
| Developed: | | Length: | | Length: | | | | | | | • | | | | | | |
| Last Sampled: | | T.D.: 47 | | Slot Size: | | |] | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| WELL CON | DITION: | | Water l | Depth: | 37, | 04 | | | | 1 1 | t. | | | | | | |
| G.S. Elev.: | | Water Depth: | | F.P. Thickr | Meas. | realite | - 13/4 | 51.919 | it shem | on probe | | | | | | | |
| T.C. Elev.; | | Water Column: | 9.96 | Water Odo | m dyd | yorar bon | <u>l</u> | | | | | | | | | | |
| W.L. Blev: | | Casing Volume: | 1.50 | Turbidity: | | |] | | | | • | | | | | | |
| Note: 2" = 0.16 | g/ft; 4" = 0.65 | g/ft; and 6" = 1.5 g | /ft | | | |] | | | | - | | | | | | |
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| Well Purgir | ng Method | Montan A | ama | Purge V | ol: 1, | 4 | <u></u> | | | | | | | | | | |
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| WELL PUR | GING AN | D RECOVERY | ANALYS | IS: | | , | | | | | | | | | | | |
| Time | W.L. | Purge Rate | Vol. | Temp. | pН | Conduct. | Turbid. | D.O. | ORP. | Sample No. | REMARKS | | | | | | |
| 10:33 | 37.00 | 491/ | | | | | | | | | | | | | | | |
| 16 3/1 | 37.12 | | 0.1 | 243 | 6.85 | 1-19 | 999 | | | | | | | | | | |
| 10.5 | 37.15 | 1991/20 | | 23.5 | 6.77 | 1.47 | 1940 | | ļ | | <u> </u> | | | | | | |
| 10:37 | 37.15 | 1 941//3/1 | ٦ | 371 | 15 10 | 1.6 d | 360 | | | ļ | | | | | | | |
| 10.38 | 37.15 | | 3 | 23.4 | 4.75 | 1.68 | 208 | | ļ | <u> </u> | · · · · · · · · · · · · · · · · · · · | | | | | | |
| 10.20 | 3715 | | 41 | 137.4 | 6,71 | 1.70 | 132 | | | · · · · · · · · · · · · · · · · · · · | , | | | | | | |
| 10:71 | 37.14 | | 5 | 23.5 | let | 1.11 | 99 | | <u> </u> | <u> </u> | | | | | | | |
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| Sample No. | 24.04 | 1/2.2/ | | | — | | | | * T. 1 i | n. 1- | 1 500 - | | | | | | |
| VHV-108 | 2406 | 11/2 1/2 | nastos | punp. | VOAS FT | 4 Amber | VOC: | 5)) | Hq. | extenda | d range | | | | | | |
| 100 M | 2106 | 10:50 | 1/0 | 1) | 17 | 16 | 11 | • | | 4 | - | | | | | | |
| TRAC | 210 Y | 10 30 | Pu/10 | | voa | | 100 | <u> </u> | | · (| | | | | | | |
| ADDITION | JAL INFO | RMATION: | 1. 747 | ********** | 100 | <u> </u> | I PULT | > | ······ | | | | | | | | |
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CHAIN OF GUSTODY RECORD

SIERRA ANALYTICAL

TEL: 949•348•9389 FAX: 949•348•9115

26052 Merit Circle• Suite 105•Laguna Hills, CA•92653

Date: 8/31/06

Lab Project No.:

| Client: Worky Parsons Kop | ΥX | ****** | _ Clie | ent Project ID: | | | | きょう | | | Analy | sis R | Leque | sted | : | | | 2 | |
|--|-------|-------------|----------------|-----------------|--|---|----------|---------------------------------|----------|----------|-----------|-----------|----------|---------|-----------------------|----------|-----------------------|--------------------------------|----------|
| Client Address: 5455 GWAIN C | NOVE | Blue 683 | - | 02°57D | 230 | . , , , , , , , , , , , , , , , , , , , | 3 | ACT. | _ | | | | | | | | | Geotracker EDD Info |); |
| | | | Tu | rn Around | | 24 Hour | + Oxur | 50 | | | | | | | | | | Client LOGCODE | |
| Client Tel. No.: 114 - 374 - 1/3 | | | Ti. | ne Requested 🔲 | | 72 Hoter 5 Day | 3 | 5 | | | | | | | | | | | Ş |
| Client Fax. No.: 714-379-1 Client Proj. Mgr.: Let Puploch, | 160 | | | | and the same of th | Mobile | (A) | (1) (1) (1) (1) (1) (1) (1) (1) | | | | | | | | | | Site Global ID | |
| Client Sample ID. | Date | Time | Matrix | Preservative | Container Type | No. of Containers | 7 | Ē | | | | | | | | | | Field Point Names/ Comments | |
| AWIOS306 | 4300 | 9:20 | GW | HL+ FUNC | F GONINA | 3 | X | X | | | | | | | | | | nd. | ` |
| MW2083106 | 1 | 9:49 | | | 1 | | X | * | | <u> </u> | | | | | | | | 1 | |
| AW3083106 | | 10:31 | | | | | 1 | * | <u> </u> | | | | | | | | | | |
| MU4083106 | | 10:43 | V | | | | 1 | Y | | | | | | | | 1 | | | |
| ER083106 | | 10:50 | W | | | | X | 1 | | | | | | | | <u> </u> | | | |
| FB0x3106 | | 10:45 | W | V | ゞ | V | 7 | * | | | | | | | | | ļ.,. | | |
| TBO83106 | V | | W | IAT | 2 kms | 7 | 4 | | | | | | | | | | | | |
| j j | | | | | | | <u> </u> | 1 | <u></u> | | | | | | | 1 | | : | |
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| | | <u> </u> | <u> </u> | <u> </u> | | , | | | | <u> </u> | | | | | | | | | |
| Sampler Signature Let Pantony | | Shir | ped Via: | | | | | | | | Total | Numl | ber of | Conta | iners S | ubmit | ted to | Sample Disposal: | |
| Printed Name; 400 UNOCH | | | ries/Waybill N | 0.) | | | | 2 | 2 | | Labo | ratory | | | • | | | Return to Client | |
| Retinguished BA | Date | // R∞ | eived By | A | | 9-1-06 | auth | orizatio | n to pe | rform d | he analy. | sis spec | ified ab | ove und | custody i ler SIER | A's To | rms and | Lab Disposal* | |
| complete PARSES KOMPX | I'me: |) Con | npany: 5 | NIA | | II : D | | | | | | | | | n SIERR | | | Archive mos. | |
| Relinquished By: | Date | Rec | cived By: | | | Date: | | | | | | | | Г Соп | tainers | Rece | ived | ① Other | |
| Company: | Time: | Cor | npany: | | | Time: | | | | | by L | abora | tory | | | | | | |
| 4 Relinquished By: | Date | Rec | cived By: | | - | Date: | | | | an il. | in the | (1 m 2 m) | die gr | | | | ్జింగ్ సి కార్డాన్ | | |
| | T: | . | | | | Time: | | | | | | | | | Comment of the | , | | | |
| Special Instructions: 5.11 5 KPK2 | 1 me: | 300d | | D 3150 | ~ HII na. |)/) | | | | | | | | | | (i-Mark | a digitar | | |
| Company: Special Instructions: 5, 11 to KPK2 Drust Cranil Coulds to Inc. | 1349. | prost | 15600 | ky Priso | milan | + | | | | | | | | | | | | | |
| Rev: 102005 | 27511 | on | <u></u> | 25 | | | | |). He | | ຮ່ວນ້ຳ | À. | 表 | | | | | | ė (ma |
| Rev: 102005 | | | . T elmino. | 5 | , Br | DISTRIBUTI | ON: | White | - To | o Acco | ompan | у Ѕап | oples, | Yell | ow - L | abora | tory (| Copy, Pink - Field Persons | iel Copy |



Appendix B Laboratory Analytical Report

145554_2

H0287D: Rev A: 16 October 2006



Worley Parsons Komex 5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683 Project Number: H0287D020 Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory 1D | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW1083106 | 0609011-01 | Liquid | 08/31/06 09:20 | 09/01/06 11:40 |
| MW2083106 | 0609011-02 | Liquid | 08/31/06 09:49 | 09/01/06 11:40 |
| MW3083106 | 0609011-03 | Liquid | 08/31/06 10:21 | 09/01/06 11:40 |
| MW4083106 | 0609011-04 | Liquid | 08/31/06 10:42 | 09/01/06 11:40 |
| EB083106 | 0609011-05 | Liquid | 08/31/06 10:50 | 09/01/06 11:40 |
| FB083106 | 0609011-06 | Liquid | 08/31/06 10:45 | 09/01/06 11:40 |
| TB083106 | 0609011-07 | Liquid | 08/31/06 00:00 | 09/01/06 11:40 |

CASE NARRATIVE

SAMPLE RECEIPT:

Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.

PRESERVATION:

Samples requiring preservation were verified prior to sample preparation and analysis.

HOLDING TIMES:

All holding times were met, unless otherwise noted in the report with data qualifiers.

QA/QC CRITERIA:

All quality objective criteria were met, except as noted in the report with data qualifiers.



5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683

Project: APC
200 Project Number: H0287D020
Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

| Analyte | Result | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|-------------------------|-----------------|------------|-------------|---------|------------|----------|-----------|-------|
| MW1083106 (0609011-01) Liquid | Sampled: 08/31/06 09:20 | Rece | ived: 09/0 | 1/06 11:40 |) | | | | |
| HC < C8 | ND | 0.10 | mg/L | 10 | B610838 | 09/07/06 | 09/08/06 | EPA 8015B | |
| C8 <= HC < C9 | ND | 0.10 | н | 11 | н | U | и | II. | |
| C9 <= HC < C10 | ND | 0.10 | н | 41 | n | U | " | lt | |
| C10 <= HC < C11 | 0.13 | 0.10 | n | Ц | n | ij. | н | II. | |
| C11 <= HC < C12 | 0.20 | 0.10 | n | н | U | D | " | II | |
| C12 <= HC < C14 | 1.2 | 0.10 | n | н | U | 11 | н | Н | |
| C14 <= HC < C16 | 1.6 | 0.10 | D | N | U | 11 | h | П | |
| C16 <= HC < C18 | 1.6 | 0.10 | U | н | II. | 11 | n | П | |
| C18 <= HC < C20 | 0.94 | 0.10 | II. | н | IF. | п | II. | #1 | |
| C20 <= HC < C24 | 2.4 | 0.10 | D | n | II | п | Į. | н | |
| C24 <= HC < C28 | 4,2 | 0.10 | 11 | n | IP. | n | II. | H | |
| C28 <= HC < C32 | 3.9 | 0.10 | 11 | 17 | 11 | н | II* | И | |
| HC >= C32 | 0.28 | 0.10 | • | 17 | ff. | n | II* | н | |
| Total Petroleum Hydrocarbons (C7-C36) | 16 | 0.50 | II | II. | н | н | Ił | н - | |
| Surrogate: o-Terphenyl | , | % | 60- | 175 | " | " | 11 | н | S-03 |
| MW2083106 (0609011-02) Liquid | Sampled: 08/31/06 09:49 | Recei | ived: 09/0 | 01/06 11:40 | 0 | | | | |
| HC < C8 | 0.11 | 0,010 | mg/L | ı | B6I0838 | 09/07/06 | 09/07/06 | EPA 8015B | ., |
| C8 <= HC < C9 | 0.040 | 0.010 | n | 11 | n | IJ | n | IF. | |
| C9 <= HC < C10 | 0.073 | 0.010 | п | #1 | II . | l) | м | II. | |
| C10 <= HC < C11 | 0.16 | 0.010 | n | n | n | 11 | И | II. | |
| C11 <= HC < C12 | 0.14 | 0.010 | 19 | 15 | 11 | , u | н | II. | |
| C12 <= HC < C14 | 0.70 | 0.010 | 17 | н | 11 | 11 | н | II | |
| C14 <= HC < C16 | 0.76 | 0.010 | 17 | и | 19 | U | H | П | |
| C16 <= HC < C18 | 0.63 | 0.010 | 1) | n | l) | п | 11 | н | |
| C18 <= HC < C20 | | 0.010 | D | н | 1) | fl. | n | н | |
| C20 <= HC < C24 | 1.1 | 0.010 | D | н | 17 | н | D | н | |
| C24 <= HC < C28 | | 0.010 | Q. | 0 | IP | н | U | ti . | |
| C28 <= HC < C32 | | 0.010 | 11: | 11 | II | н | U | и | |
| HC >= C32 | 0.046 | 0.010 | n . | U | 11 | н | IJ | и | |
| Total Petroleum Hydrocarbons (C7-C36) | | 0.050 | н | 17 | 41 | н | IF. | н | |
| Surrogate: o-Terphenyl | | 42 % | 60- | 175 | " | 11 | п | н | |



 $5455~{\rm Garden}~{\rm Grove}~{\rm Blvd}.$ Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|----------------------|--------------------|------------|-------------|---------|----------|----------|-----------|-------|
| MW3083106 (0609011-03) Liquid | Sampled: 08/31/06 10 | :21 Rece | ived: 09/0 | 01/06 11:40 |) | | | | |
| HC < C8 | 0.051 | 0.010 | mg/L | 1 | B6I0838 | 09/07/06 | 09/07/06 | EPA 8015B | |
| C8 <= HC < C9 | 0.014 | 0.010 | n | 11 | n | 41 | 11 | u | |
| C9 <= HC < C10 | 0.030 | 0.010 | 17 | " | 11 | н | н | II . | |
| C10 <= HC < C11 | 0.076 | 0.010 | II. | 11 | 11 | II . | н | ri . | |
| C11 <= HC < C12 | 0.087 | 0.010 | IJ | П | 11 | " | n | U | |
| C12 <= HC < C14 | 0.26 | 0.010 | 1) | И | 41 | " | n | D | |
| C14 <= HC < C16 | 0.34 | 0.010 | II | н | e e | II. | ij. | If | |
| C16 <= HC < C18 | 0.24 | 0.010 | П | н | н | II. | IF. | II | |
| C18 <= HC < C20 | 0.19 | 0.010 | н | n | н | ıi | 11 | II | |
| C20 <= HC < C24 | 0.29 | 0.010 | н | H | и | II. | Ц | il | |
| C24 <= HC < C28 | 0.31 | 0.010 | 4 | U | " | II | 4) | 11 | |
| C28 <= HC < C32 | 0.23 | 0.010 | 9 | U. | n | 11 | н | И | |
| HC >= C32 | 0.015 | 0.010 | 7 | 10 | ij | Ħ | н | Н | |
| Total Petroleum Hydrocarbons (C7-C36) | 2.1 | 0.050 | 7 | 17 | 11 | H | И | п | |
| Surrogate: o-Terphenyl | | 102 % | 60- | 175 | " | n | " | · | |
| MW4083106 (0609011-04) Liquid | Sampled: 08/31/06 10 | :42 Rece | ived: 09/(| 01/06 11:40 | 0 | | | | |
| HC < C8 | 0.084 | 0.010 | mg/L | 1 | B6I0838 | 09/07/06 | 09/08/06 | EPA 8015B | |
| C8 <= HC < C9 | 0.031 | 0.010 | Н | н | и | 11 | II. | II | |
| C9 <= HC < C10 | 0.056 | 0.010 | п | U | и | 11 | 11 | 31 | |
| C10 <= HC < C11 | 0.13 | 0.010 | н | D | " | II. | 21 | н | |
| C11 <= HC < C12 | 0.17 | 0.010 | | D | n | II | 11 | н | |
| C12 <= HC < C14 | 0.40 | 0.010 | | 11 | H | л | н | н | |
| C14 <= HC < C16 | 0.56 | 0.010 | | 11 | н | n ! | н | n | |
| C16 <= HC < C18 | 0.39 | 0.010 | , | 11 | IJ | II | н | " | |
| C18 <= HC < C20 | 0.27 | 0.010 | | 11 | IP. | H | n | D | |
| C20 <= HC < C24 | 0.48 | 0.010 | , | 11 | IP | n | ri . | Ш | |
| C24 <= HC < C28 | 0.57 | 0.010 | | н | IF. | н | D | II | |
| C28 <= HC < C32 | 0.46 | 0.010 | P | н | IP. | н | 0 | II | |
| HC >= C32 | 0.030 | 0.010 | ŧř | н | 11 | n | II. | 11 | |
| Total Petroleum Hydrocarbons (C7-C36) | 3.6 | 0.050 | | п | ı | D | IF | 11 | |
| Surrogate: o-Terphenyl | | 121% | 60- | .175 | n n | 11 | 11 | п | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020 Project Manager: Lee Paprocki Reported:

09/13/06 11:20

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------------|-------------------------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| EB083106 (0609011-05) Liquid | Sampled: 08/31/06 10:50 | Receive | d: 09/01/ | 06 11:40 | | | | | |
| HC < C8 | ND | 0.010 | mg/L | 1 | B6I0838 | 09/07/06 | 09/07/06 | EPA 8015B | |
| C8 <= HC < C9 | ND | 0.010 | н | II. | n n | n | II | И | |
| C9 <= HC < C10 | ND | 0.010 | " | ır | N. | п | 11 | И | |
| C10 <= HC < C11 | ND | 0.010 | IP | 11 | н | II. | н | . н | |
| $C11 \leq HC \leq C12$ | ND | 0.010 | 11 | 4 | н | II. | н | n | |
| $C12 \leq HC \leq C14$ | ND | 0.010 | 1F | н | n | II. | n | D. | |
| C14 <= HC < C16 | ND | 0.010 | II | н | II . | D. | n | IF. | |
| C16 <= HC < C18 | ND | 0.010 | II | М | | II | n | It. | |
| C18 <= HC < C20 | ND | 0.010 | 11 | Ħ | 17 | 11 | n | II | |
| C20 <= HC < C24 | ND | 0.010 | н | l) | ıı | II | ij | 11 | |
| C24 <= HC < C28 | ND | 0.010 | н | 0 . | ıı | н | IF. | 11 | |
| C28 <= HC < C32 | ND | 0.010 | н | lt. | ij | н | IF. | 3 l | |
| HC >= C32 | ND | 0.010 | p | If | н | Ħ | It | Н | |
| Total Petroleum Hydrocarbons (C7-C36) | ND | 0.050 | н | 1# | н | n | II | н | |
| Surrogate: o-Terphenyl | | 101 % | 60- | 175 | " | " | н | " | |
| FB083106 (0609011-06) Liquid | Sampled: 08/31/06 10:45 | Receive | d: 09/01/ | 06 11:40 | | | | | |
| HC < C8 | ND | 0.010 | mg/L | 1 | B6I0838 | 09/07/06 | 09/07/06 | EPA 8015B | |
| $C8 \le HC < C9$ | ND | 0.010 | п | U | 11 | 11 | " | le · | |
| C9 <= HC < C10 | ND | 0.010 | п | lr. | 18. | n | n | II | |
| C10 <= HC < C11 | ND | 0.010 | н | 11 | П | И | II. | Ti. | |
| C11 <= HC < C12 | ND | 0.010 | 4 | 11 | q | н | II. | | |
| C12 <= HC < C14 | ND | 0.010 | 7 | П | 4 | ,11 | D | н | |
| C14 <= HC < C16 | ND | 0.010 | 1 | 11 | н | " | IF | H | |
| C16 <= HC < C18 | ND | 0.010 | , | H | н | n | 11 | н | |
| C18 <= HC < C20 | ND | 0.010 | , | н | н | H | п | н | |
| C20 <= HC < C24 | ND | 0.010 | , | н | n | n . | #1 | н | |
| C24 <= HC < C28 | ND | 0.010 | 1 | " | п | IF. | н | n | |
| C28 <= HC < C32 | ND | 0.010 | 1 | н | U | D. | н | 10 | |
| HC >= C32 | ND | 0.010 | 3 | n | II. | II. | n | D | |
| Total Petroleum Hydrocarbons (C7-C36) | ND | 0.050 | П | п | ij | 11 | н | It | |
| Surrogate: o-Terphenyl | | 95.0 % | 60- | 175 | 11 | " | и | " | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Anaiyte | Regult | oorting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------------------|------------------|------------|------------|---------|---------------------------------------|-----------|-----------|--------|
| | | | | | | Frepared | ratatyzeu | Memon | inotes |
| MW1083106 (0609011-01) Liquid | Sampled: 08/31/06 09:20 | Recei | ived: 09/0 | 1/06 11:40 |) | · · · · · · · · · · · · · · · · · · · | | | |
| Benzene | ND | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/05/06 | EPA 8260B | |
| Bromobenzene | ND | 1.0 | 11 | n | l) | п | ır | Н | |
| Bromochloromethane | ND | 1.0 | 11 | IJ | IF | n | II | u | |
| Bromodichloromethane | ND | 1.0 | И | D | 11 | N | 11 | n | |
| Bromoform | ND | 1.0 | n | II | 41 | н | н | n | |
| Bromomethane | ND | 1.0 | n | 11 | 11 | IJ | н | n | |
| n-Butylbenzene | ND | 1.0 | Į | II | и | IJ | н | n | |
| sec-Butylbenzene | ND | 1.0 | W . | н | И | II. | н | II | |
| tert-Butylbenzene | ND | 1.0 | D | н | n | Ir | IJ | If | |
| Carbon tetrachloride | ND | 1.0 | II. | п | D | 17 | D | П | |
| Chlorobenzene | ND | 1.0 | П | U | U | ц | IP | И | |
| Chloroethane | ND | 1.0 | 11 | II. | II. | п | II. | Ĥ | |
| Chloroform | ND | 1.0 | и | I! | II . | Ч | II | И | |
| Chloromethane | ND | 1.0 | И | I) | 11 | н | ц | и | |
| 2-Chlorotoluene | ND | 1.0 | н | It. | ±1 | н | II | n | |
| 4-Chlorotoluene | ND | 1.0 | п | 41 | н | н | н | n · | |
| Dibromochloromethane | ND | 1.0 | п | II | н | II . | N | " | |
| 1,2-Dibromo-3-chloropropane | NĎ | 5.0 | II. | н | Ņ | " | н | n. | |
| 1,2-Dibromoethane (EDB) | . ND | 1.0 | II. | н | н | 11 | H | II | |
| Dibromomethane | ND | 1.0 | 11 | " | Ħ | 47 | 11 | Ш | |
| 1,2-Dichlorobenzene | ND | 1.0 | 11 | n | U | | lr . | II | |
| 1,3-Dichlorobenzene | ND | 1.0 | 41 | II. | li . | 4 | II | II | |
| 1,4-Dichlorobenzene | ND | 1.0 | n | It. | D | н | 11 | II | |
| Dichlorodifluoromethane | ND | 1.0 | и | 11 | 11 | н | 11 | II | |
| 1,1-Dichloroethane | ND | 1.0 | п | II | П | и | П | 11 | |
| 1,2-Dichloroethane | ND | 1.0 | н | 41 | 11 | Ħ | и | u · | |
| 1,1-Dichloroethene | ND | 1.0 | n | 11 | н | l) | 'n | n | |
| cis-1,2-Dichloroethene | 8.4 | 1.0 | 0 | п | н - | · · · · · | н | " | |
| trans-1,2-Dichloroethene | 3.6 | 1.0 | 0 | и | н | lr. | H | n | |
| 1,2-Dichloropropane | ND | 1.0 | It. | n | н | IJ | D | IF | |
| 1,3-Dichloropropane | ND | 1.0 | II. | n | н | 11 | l) | Ш | |
| 2,2-Dichloropropane | ND | 1.0 | П | 11 | IJ | 41 | . 0 | Ш | |
| 1,1-Dichloropropene | ND | 1.0 | II | D | li . | п | 11 | Ш | |
| cis-1,3-Dichloropropene | ND | 1.0 | #1 | D | II. | н | IF. | Н | |
| trans-1,3-Dichloropropene | ND | 1.0 | И | If | II. | н | q | н | |
| Di-isopropyl ether | ND | 1.0 | н | II | Ц | п | и | II . | |
| Ethyl tert-butyl ether | ND | 1.0 | n | н | II | II. | н | ij | |
| Ethylbenzene | ND | 1.0 | n | н | Œ | IJ | п | n | |
| Hexachlorobutadiene | ND | 1.0 | D | н | И | D | п | n | |
| Isopropylbenzene | ND | 1.0 | IF. | н | н | lę. | ij | n | |
| p-Isopropyltoluene | 1.8 | 1.0 | 11 | ħ | п | o | ij. | II | |
| | | | | | | | | | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported:

09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

| | • | oorting | | | | | | | , |
|---------------------------------|-------------------------|---------|-----------|-------------|---------|----------|----------|-----------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| MW1083106 (0609011-01) Liquid | Sampled: 08/31/06 09:20 | Rece | ived: 09/ | 01/06 11:40 |) | | | | |
| Methylene chloride | ND | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/05/06 | EPA 8260B | |
| Methyl tert-butyl ether | 2,0 | 1.0 | 11 | 0 | II | 0 | l) | ır | |
| Naphthalene | ND | 1.0 | П | 11 | н | II. | 11 | Ш | |
| n-Propylbenzene | ND | 1.0 | н | 11 | н | II | н | II. | |
| Styrene | ND | 1.0 | | н | h | fl . | " | и | |
| Tert-amyl methyl ether | ND | 1.0 | 'n | н | n | н | n | n | |
| Tert-butyl alcohol | ND | 5.0 | n | n | P | п | μ | n | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | n | 0 | II | n | ij. | n | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 11 | | II | l) | If . | Ш | |
| Tetrachloroethene | ND | 1.0 | II | II. | ıı. | II. | 11 | II | |
| Toluene | ND | 1.0 | II | II | P. | 41 | It | II | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | и | н | 'n | II. | н | Ч | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | и | н | н | н | н | И | |
| 1,1,1-Trichloroethane | ND | 1.0 | n | н | 11 | н | Ħ | n | |
| 1,1,2-Trichloroethane | ND | 1.0 | n | n | 17 | и | U | n | |
| Trichloroethene | 21 | 1.0 | 17 | IJ | II . | IJ | 0 | lf. | |
| Trichlorofluoromethane | ND | 1.0 | D | II. | 11 | li . | lt. | II | |
| 1,2,3-Trichloropropane | ND | 1.0 | II. | 11 | н | 17 | 11 | II | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | II | 11 | n | II. | н . | Ш | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | II | u | ri . | n | н | ii . | |
| Vinyl chloride | 9.9 | 1.0 | 4 | н | ŋ | n | н | И | |
| m,p-Xylene | ND | 1.0 | • | n | IJ | n n | n | n | |
| o-Xylene | ND | 1.0 | • | ti | 17 | II. | II. | n | |
| Surrogate: Dibromofluoromethane | 1 | 07 % | 86- | -118 | " | # | ti. | " | |
| Surrogate: Toluene-d8 | | 04% | | -110 | " | tt | n | u | |
| Surrogate: 4-Bromofluorobenzene | | 07% | | -115 | " | it | " | n | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported:

09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B Sierra Analytical Labs, Inc.

| | | orting | 77. | D.11 - 1 | D | | | | |
|-------------------------------|-------------------------|-----------|-----------|-------------|---------|----------|----------|-----------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| MW2083106 (0609011-02) Liquid | Sampled: 08/31/06 09:49 | Rece | ived: 09/ | 01/06 11:40 |) | | | | |
| Benzene | 3.1 | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/05/06 | EPA 8260B | |
| Bromobenzene | ND | 1,0 | и | ii . | н | н | н | н | |
| Bromochloromethane | ND | 1.0 | " | н | " | п | н | II | |
| Bromodichloromethane | ND | 1,0 | И | н | н | n | н | II | |
| Bromoform | ND | 1.0 | н | н | n | U | н | 11 | |
| Bromomethane | ND | 1.0 | ħ | n | n | U | H | 11 | |
| n-Butylbenzene | ND | 1.0 | II. | U | D. | ij. | n | n | |
| sec-Butylbenzene | 12 | 1.0 | IF. | U | P | II. | II | и | |
| tert-Butylbenzene | 1.7 | 1.0 | 11 | U. | II | ıı | lr . | н | |
| Carbon tetrachloride | ND | 1.0 | Ш | IP. | li | II | 11 | н | |
| Chlorobenzene | ND | 1.0 | II | II. | łI | П | II. | н | |
| Chloroethane | ND | 1.0 | Ш | It | 11 | 0 | II. | n | |
| Chloroform | ND | 1.0 | П | II | a a | и | It | n | |
| Chloromethane | ND | 1.0 | н | - 0 | II | и | 11 | n | |
| 2-Chlorotoluene | ND | 1.0 | н | ıı | н | н | et et | 10 | |
| 4-Chlorotoluene | ND | 1.0 | # | n | н | и | 4 | D. | |
| Dibromochloromethane | ND | 1.0 | " | н | н | " | н | II. | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | H | " | h | н | н | It. | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | " | " | н | Ħ | н | IF. | |
| Dibromomethane | ND | 1.0 | n | н | n | IJ | n | Ш | |
| 1,2-Dichlorobenzene | ND | 1.0 | 19 | IJ | II. | 0 | n | 41 | |
| 1,3-Dichlorobenzene | ND | 1.0 | U | U | U | 0 | п | н | |
| 1,4-Dichlorobenzene | ND | 1.0 | 11 | 0 | IĮ. | D | h | н | |
| Dichlorodifluoromethane | ND | 1.0 | 11 | 0 | 19 | lr . | u u | н | |
| 1,1-Dichloroethane | ND | 1.0 | п | 0 | 17 | 11 | 0 | п | |
| 1,2-Dichloroethane | ND | 1.0 | П | II. | 17 | II. | D | п | |
| 1,1-Dichloroethene | ND | 1.0 | П | If | 11 | It | II. | n | |
| cis-1,2-Dichloroethene | ND | 1.0 | li . | П | II | ų | D | n | |
| trans-1,2-Dichloroethene | ND | 1.0 | ıı | 11 | II. | II | 19 | n | |
| 1,2-Dichloropropane | ND | 1.0 | н | 41 | п | п | П | n. | |
| 1,3-Dichloropropane | ND | 1.0 | н | 91 | н | и | D | n | |
| 2,2-Dichloropropane | ND | 1.0 | ш | н | Я | и | a | U. | |
| 1,1-Dichloropropene | ND | 1.0 | 4 | н | и | н | п | it | |
| cis-1,3-Dichloropropene | ND | 1.0 | ч | n | н | n | 4 | ur. | |
| trans-1,3-Dichloropropene | ND | 1.0 | • | и | н | n | н | ÎE | |
| Di-isopropyl ether | ND | 1.0 | • | н | n | H | н | III | |
| Ethyl tert-butyl ether | ND | 1.0 | | n | IJ | n | п | q | |
| Ethylbenzene | ND | 1.0 | , | 11 | IJ | D | n | ti . | |
| Hexachlorobutadiene | ND | 1.0 | , | IP | IJ | D | n | н | |
| Isopropyibenzene | 57 | 1.0 | 1 | 0 | IP | ır | I) | n | |
| p-Isopropyltoluene | 3.2 | 1.0 | r | II. | I) | 11 | D D | н | |
| b-realit oblitatione | J.2 | 1.0 | | | | | | | |



5455 Garden Grove Blvd, Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

| | - | orting | | | | | | | |
|---------------------------------|-------------------------|--------|-----------|-------------|---------|----------|----------|-----------|------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| MW2083106 (0609011-02) Liquid | Sampled: 08/31/06 09:49 | Recei | ved: 09/0 | 01/06 11:40 |) | | | | |
| Methylene chloride | ND | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/05/06 | EPA 8260B | |
| Methyl tert-butyl ether | 3.0 | 1.0 | п | " | 11 | n | н | П | |
| Naphthalene | 12 | 1.0 | 10 | " | H | D. | н | П | |
| n-Propylbenzene | 3.5 | 1.0 | | н | н | II. | н | П | |
| Styrene | ND | 1.0 | 19 | n | H | II. | н | II | |
| Tert-amyl methyl ether | ND | 1.0 | 19 | H | H | II. | н | II | |
| Tert-butyl alcohol | ND | 5.0 | 19 | n | н | IJ | н | II | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | IP. | н | н | 11 | н | II | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | 11 | U | н | ır | н | II. | |
| Tetrachloroethene | ND | 1.0 | IF | II. | И | I) | н | 11 | |
| Toluene | ND | 1.0 | Ш | 10 | н | I! | н | н | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | II | U | ii. | 11 | н | 4 | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | If | II. | и | II. | п | " | |
| 1,1,1-Trichloroethane | ND | 1.0 | 11 | 11 | ņ | I) | п | 11 | |
| 1,1,2-Trichloroethane | ND | 1.0 | II | ij. | и | II. | п | 11 | |
| Trichloroethene | ND | 1.0 | 11 | 11 | и | ır | n | " | |
| Trichlorofluoromethane | ND | 1.0 | 17 | 0 | и | It | н | н | |
| 1,2,3-Trichloropropane | ND | 1.0 | II | D | п | II. | н | И | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | IF | D | п | 11 | н | и | |
| 1,3,5-Trimethylbenzenc | ND | 1.0 | 11 | If | H | II | п | и | |
| Vinyl chloride | 47 | 1.0 | II | п | Ħ | II | н | И | |
| m,p-Хуlеле | ND | 1.0 | II | П | н | II | U | И | |
| o-Xylene | ND | 1.0 | п | II. | n | II | U | II | |
| Surrogate: Dibromofluoromethane | 1 | 03 % | 86- | 118 | " | n | " | n. | |
| Surrogate: Toluene-d8 | 1 | 05 % | 88- | -110 | " | н | " | " | |
| Surrogate: 4-Bromofluorobenzene | 1 | 09 % | 86- | 115 | ır | n | # | u | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported:

09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B Sierra Analytical Labs, Inc.

| Analyte | Rej Result | oorting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------------------|------------------|------------|-------------|---------|----------|------------|-----------|-------------|
| MW3083106 (0609011-03) Liquid | Sampled: 08/31/06 10:21 | Rece | ived: 09/0 | 01/06 11:40 |) | | | | |
| Вепzепе | 3.7 | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | · · · · · · |
| Bromobenzene | ND | 1.0 | H | P 5 | 11 | n | 11 | Ir | |
| Bromochloromethane | ND | 1.0 | n | п | н | 17 | IF. | n | |
| Bromodichloromethane | ND | 1.0 | н | r | н | 11 | Ш | Ħ | |
| Bromoform | ND | 1.0 | н | 0 | н | I) | Ш | n | |
| Bromomethane | ND | 1.0 | м | U | Ħ | Iţ | 41 | | |
| n-Butylbenzene | ND | 1.0 | 'n | U | п | II. | 31 | II. | |
| sec-Butylbenzene | 1 1 | 1.0 | н | U | п | II | á 1 | II. | |
| tert-Butylbenzene | 3.4 | 1.0 | п | U | п | . п | Ħ | II. | |
| Carbon tetrachloride | ND | 1.0 | n | lr. | μ | II | н | lf . | |
| Chlorobenzene | ND | 1.0 | n | 19 | n | II | н | It | |
| Chloroethane | ND | 1.0 | U | lt. | b | 11 | н | It | |
| Chloroform | ND | 1.0 | D. | Ц | IJ | il | н | II | |
| Chloromethane | ND | 1.0 | D. | IF. | IJ | н | и | 41 | |
| 2-Chlorotoluene | ND | 1.0 | ı, | . 4 | D | ц | н | 11 | |
| 4-Chlorotoluene | ŇD | 1.0 | 11 | 11 | D | н | н | 11 | |
| Dibromochloromethane | ND | 1.0 | 11 | Ħ | D . | н | п | W. | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 19 | н | II. | н | n | 11 | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | II. | и | II. | н | п | II. | |
| Dibromomethane | ND | 1.0 | 41 | н | 17 | 11 | п | n. | |
| 1,2-Dichlorobenzene | ND | 1.0 | 11 | n | 11 | и | D | 11 | |
| 1,3-Dichlorobenzene | ND | 1.0 | 41 | н | II. | H | 0 | n | |
| 1,4-Dichlorobenzene | ND | 1.0 | 11 | " | 11 | n | II. | М | |
| Dichlorodifluoromethane | ND | 1.0 | п | n n | ır | n | P | 11 | |
| 1,1-Dichloroethane | ND | 1.0 | a a | н | ~ n | N | P | п | |
| 1,2-Dichloroethane | ND | 1.0 | п | н | II. | ,11 | D | H | |
| 1,1-Dichloroethene | ND | 1.0 | н | н | 11 | " | D | H | |
| cis-1,2-Dichloroethene | ND | 1.0 | н | n | er | н | II. | И | |
| trans-1,2-Dichloroethene | ND | 1.0 | н | n | н | н | IF | N | |
| 1,2-Dichloropropane | ND | 1.0 | н | ij. | н | H | D | н | |
| 1,3-Dichloropropane | ND | 1.0 | н | U | н | " | II | н | |
| 2,2-Dichloropropane | ND | 1.0 | н | D. | н | n | 41 | N | |
| 1,1-Dichloropropene | ND | 1.0 | п | IJ | н | D. | II | н | |
| cis-1,3-Dichloropropene | ND | 1.0 | п | IJ | н | n | ŧI. | н | |
| trans-1,3-Dichloropropene | ND | 1.0 | н | D | и | D. | if | н | |
| Di-isopropyl ether | ND | 1.0 | н | D | н | D | п | D. | |
| Ethyl tert-butyl ether | ND | 1.0 | n | It | н | n. | н | D. | |
| Ethylbenzene | 3.1 | 1.0 | н | It. | н | 11 | ц | u u | |
| Hexachlorobutadiene | ND | 1.0 | IJ | IF. | · II | u. | и | u. | |
| Isopropyibenzene | 74 | 1.0 | U | łI | п | II. | и | II. | |
| p-Isopropyltoluene | ND | 1.0 | D. | н | п | П | и | IF. | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method $8260B\,$

| | Rep | orting | | | | | | | |
|---------------------------------|-------------------------|--------|---------------|-------------|---------|----------|----------|-----------|------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| MW3083106 (0609011-03) Liquid | Sampled: 08/31/06 10:21 | Rece | ived: 09/0 | 01/06 11:40 |) | | | | |
| Methylene chloride | ND | 1.0 | μ g/ L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | |
| Methyl tert-butyl ether | 2.2 | 1.0 | н | н | l) | 11 | 11 | и | |
| Naphthalene | 8.7 | 1.0 | H | н | 17 | 11 | 11 | n | |
| n-Propylbenzene | 5.3 | 1.0 | н | n | 17 | n | 11 | n . | |
| Styrene | ND | 1.0 | н | II. | 11 | 11 | н | " | |
| Tert-amyl methyl ether | ND | 1.0 | ч | 10 | 47 | н | н | н | |
| Tert-butyl alcohol | ND | 5.0 | н | II. | 4 | и | η | н | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | n | IF | 41 | н | п | n | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | н | IF | ц | н | п | n | |
| Tetrachloroethene | ND | 1.0 | n | II | П | н | н | n | |
| Toluene | 1.6 | 1.0 | n | It | н | н | п | ri . | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | l) | П | п | n | н | н | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | IJ | 11 | Н | п | н | Ü | |
| 1,1,1-Trichloroethane | ND | 1.0 | IJ | Œ | Н | Ħ | н | U | |
| 1,1,2-Trichloroethane | ND | 1.0 | IJ | it | И | Ħ | н | II. | |
| Trichloroethene | ND | 1.0 | IJ | H | н | n | п | II. | |
| Trichlorofluoromethane | ND | 1.0 | l) | 11 | н | h | н | IF | |
| 1,2,3-Trichloropropane | ND | 1.0 | l) | II. | н | h | 'n | If . | |
| 1,2,4-Trimethylbenzene | 3.4 | 1.0 | D | н | н | n | n | II. | |
| 1,3,5-Trimethylbenzene | 1.2 | 1.0 | II. | н | u | 10 | U | If | |
| Vinyl chloride | 58 | 1.0 | II. | н | н | II. | U | If . | |
| m,p-Xylene | 3.1 | 1.0 | 11 | n | n | U. | D. | II. | |
| o-Xylene | ND | 1.0 | IF. | н | n | 11 | U | Ir. | |
| Surrogate: Dibromofluoromethane | 9. | 1,2 % | 86- | 118 | " | н | n | " | |
| Surrogate: Toluene-d8 | 1 | 00% | 88- | -110 | " | # | n | n | |
| Surrogate: 4-Bromofluorobenzene | I | 14% | 86- | -115 | n | n | " | # | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported:

09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

| Analyte | Result | oorting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------------------|------------------|------------|-------------|-----------------|----------|----------|-----------|-------|
| MW4083106 (0609011-04) Liquid | Sampled: 08/31/06 10:42 | Rece | ived: 09/(| 01/06 11:40 | .) | | | | |
| Benzene | 7.6 | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | |
| Bromobenzene | ND | 1.0 | " | П | U. | н | н | H | |
| Bromochloromethane | ND | 1.0 | 11 | lr . | U. | н | п | и | |
| Bromodichloromethane | ND | 1.0 | n | П | U. | " | ņ | и | |
| Bromoform | ND | 1.0 | н | II | II. | h | н | и | |
| Bromomethane | ND | 1.0 | и | ıı | 1) | ti . | п | н | |
| n-Butylbenzene | ND | 1.0 | н | 31 | 1) | IJ | и | н | |
| sec-Butylbenzene | 13 | 1.0 | н | II | II. | U | п | н | |
| tert-Butylbenzene | 1.4 | 1.0 | н | 11 | n | l) | и | н | |
| Carbon tetrachloride | ND | 1.0 | n | n . | 11 | D. | н | н | |
| Chlorobenzene | ND | 1.0 | n | ij | 11 | II. | н | н | |
| Chloroethane | ND | 1.0 | 'n | n | er e | II. | и | н | |
| Chloroform | ND | 1.0 | II | q | II | 11 | н | п | |
| Chloromethane | ND | 1.0 | II | н | n | 19 | D | н | |
| 2-Chlorotoluene | ND | 1.0 | Ţ I | н | п | D. | п | ņ | |
| 4-Chlorotoluene | ND | 1.0 | 11 | И | н | It | п | н | |
| Dibromochloromethane | ND | 1.0 | n | н | 11 | n n | U | rt | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | II | и | н | II. | U | ri . | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | 11 | н | п | 11 | II. | ri . | |
| Dibromomethane | ND | 1.0 | 11 | м | 11 | 11 | 11 | 11 | |
| 1,2-Dichlorobenzene | ND | 1.0 | 11 | М | 11 | II | D | II. | |
| 1,3-Dichlorobenzene | ND | 1.0 | D | н | м | 41 | D. | U . | |
| 1,4-Dichlorobenzene | ND | 1.0 | 1) | м | н | н | II. | U | |
| Dichlorodifluoromethane | ND | 1.0 | 11 | н | н | n | U | U | |
| 1,1-Dichloroethane | ND | 1.0 | IF. | n | н | n | U | U | |
| 1,2-Dichloroethane | ND | 1.0 | 11 | . п | н | | u. | U | |
| 1,1-Dichloroethene | ND | 1.0 | 11 | h | н | H | II. | 0 | |
| cis-1,2-Dichloroethene | ND | 1.0 | 11 | n | М | н | 17 | lr. | |
| trans-1,2-Dichloroethene | ND | 1.0 | 11 | n | м | H | II. | D | |
| 1,2-Dichloropropane | ND | 1.0 | 11 | н | н | н | D | D. | |
| 1,3-Dichloropropane | ND | 1.0 | п | и | n | н | D | D. | |
| 2,2-Dichloropropane | ND | 1.0 | п | н | h | н | II. | II. | |
| 1,1-Dichloropropene | ND | 1.0 | н | h | и | и | ır | P | |
| cis-1,3-Dichloropropene | ND | 1.0 | 11 | b | ц | и | II. | It | |
| trans-1,3-Dichloropropene | ND | 1.0 | n | IJ | и | н | 41 | P | |
| Di-isopropyl ether | ND | 1.0 | н | II. | II. | н | 11 | D | |
| Ethyl tert-butyl ether | ND | 1.0 | н | ŋ | li | н | u | li . | |
| Ethylbenzene | ND ND | 1.0 | н | D | II. | и | II | п | |
| Hexachlorobutadiene | ND ND | 1.0 | н | D. | II. | н | И | п | |
| Isopropylhenzene | 87 | 1.0 | п | 11 | U | п | н | II | |
| p-Isopropyltoluene | ND | 1.0 | li I | 11 | U | ıı. | н | 11 | |
| p-rsopropynomene | ND | 1.0 | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683 Project: APC
Project Number: H0287D020

Project Number: H0287D020
Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

| | | porting | | | | | | | |
|---------------------------------|-------------------------|---------|------------|-------------|---------|----------|----------|-----------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| MW4083106 (0609011-04) Liquid | Sampled: 08/31/06 10:42 | Rece | ived: 09/(| 01/06 11:40 |) | | | | |
| Methylene chloride | ND | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | |
| Methyl tert-butyl ether | 2.8 | 1.0 | н | n | 11 | 11 | 11 | n | |
| Naphthalene | 1.9 | 1.0 | н | n | 11 | 11 | 41 | II. | |
| n-Propylbenzene | 8.9 | 1.0 | n | U | 41 | n | 11 | n | |
| Styrene | ND | 1.0 | 11 | U | и | н | 4 | II. | |
| Tert-amyl methyl ether | ND | 1.0 | D | U | н | и | fl. | ır | |
| Tert-butyl alcohol | ND | 5.0 | II. | II. | н | II. | H | II | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | II. | U. | н | н | ri | II | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | lr. | U. | n | n | н | II | |
| Tetrachloroethene | 1.2 | 1.0 | 11 | It | n | n | н | II. | |
| Toluene | ND | 1.0 | П | ŧr | п | n | н | 11 | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | П | #I | U | n | н | II | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 41 | 11 | ij. | D | н | 41 | |
| 1,1,1-Trichloroethane | ND | 1.0 | П | It | п | D | п | # | |
| 1,1,2-Trichloroethane | ND | 1.0 | 11 | П | D | rr | н | н | |
| Trichloroethene | ND | 1.0 | н | П | D | l# | н | н | |
| Trichlorofluoromethane | ND | 1.0 | н | н | 11 | ij | D | н | |
| 1,2,3-Trichloropropane | ND | 1.0 | и | К | 11 | IF | U | п | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | н | н | 11 | Iţ. | D. | н | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | н | н | И | II | U | н | |
| Vinyl chloride | 54 | 1.0 | и | н | 11 | II | U | n | |
| m,p-Xylene | ND | 1.0 | н | n | II. | II | ų. | " | |
| o-Xylene | ND | 1.0 | н | n | п | II | " | m. | |
| Surrogate: Dibromofluoromethane | 8 | 9.4% | 86- | 118 | " | " | ıı | n | |
| Surrogate: Toluene-d8 | | 103% | 88- | 110 | " | " | " | и | |
| Surrogate: 4-Bromofluorobenzene | | 109% | 86- | 115 | n. | n | 11 | u | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------|-------------------------|--------------------|--------------------|----------|---------|----------|----------|-----------|-------|
| EB083106 (0609011-05) Liquid | Sampled: 08/31/06 10:50 | Receive | d: 09 /01/0 | 06 11:40 | | | | | |
| Benzene | ND | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | |
| Bromobenzene | ND | 1.0 | n | 11 | " | н | n | n | |
| Bromochloromethane | ND | 1.0 | и . | 11 | D | и | и | D. | |
| Bromodichloromethane | ND | 1.0 | " | 11 | 11 | n | n | Ш | |
| Bromoform | ND | 1.0 | n | н | 0 | II. | n | II | |
| Bromomethane | ND | 1.0 | U | n n | 11 | D | II. | . " | |
| n-Butylbenzene | ND | 1.0 | 17 | 11 | I) | lr . | u u | II | |
| sec-Butylbenzene | ND | 1.0 | 17 | 11 | 11 | 11 | u u | 11 | |
| tert-Butylbenzene | ND | 1.0 | II. | U | 11 | 11 | 17 | 11 | |
| Carbon tetrachloride | ND | 1.0 | ll . | U | н | tr. | II. | ii | |
| Chlorobenzene | ND | 1.0 | II | U | н | н | 11 | н | |
| Chloroethane | , ND | 1.0 | 11 | II | N | н | 11 | п | |
| Chloroform | ND | 1.0 | н | П | н | и | 4 | n | |
| Chloromethane | ND | 1.0 | И | Ш | ri . | н | п | . 11 | |
| 2-Chlorotoluene | ND | 1.0 | н | Ħ | п | н | Ħ | n | |
| 4-Chlorotoluene | ND | 1.0 | " | 11 | н | Ħ | н | n | |
| Dibromochloromethane | ND | 1.0 | и | н | 0 | n | n n | If | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | н | H | ii. | li | n | Ш | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | H | н | II. | 11 | n | II | |
| Dibromomethane | ND | 1.0 | D | n | 11 | li. | U | Ш | |
| 1,2-Dichlorobenzene | ND | 1.0 | D | n | 11 | 11 | D | Ш | |
| 1,3-Dichlorobenzene | ND | 1.0 | Ir | n | 11 | 11 | IP. | 40 | |
| 1,4-Dichlorobenzene | ND | 1.0 | lr. | n | Œ | 11 | D. | ai . | |
| Dichlorodifluoromethane | ND | 1.0 | li . | 11 | r1 | 11 | IF. | n | |
| 1,1-Dichloroethane | ND | 1.0 | li . | 11 | н | 11 | 11 | И | |
| 1,2-Dichloroethane | ND | 1.0 | 11 | 11 | м | n | 41 | И | |
| 1,1-Dichloroethene | ND | 1.0 | и | I) | н | И | 11 | и | |
| cis-1,2-Dichloroethene | ND | 1.0 | И | II | н | n | 11 | n . | |
| trans-1,2-Dichloroethene | ND | 1.0 | ч | II | и | И | н | n | |
| 1,2-Dichloropropane | ND | 1.0 | ч | II | н | " | н | U | |
| 1,3-Dichloropropane | ND | 1.0 | 4 | Ц | n | " | н | II. | |
| 2,2-Dichloropropane | ND | 1.0 | 1 | +I | II. | n | н | II. | |
| 1,1-Dichloropropene | ND | 1.0 | 1 | 4 | 11 | n | n | _10 | |
| cis-1,3-Dichloropropene | ND | 1.0 | 1 | н | D | U | н | Ш | |
| trans-1,3-Dichloropropene | ND | 1.0 | 1 | н | Ił. | li . | II. | II. | |
| Di-isopropyl ether | ND | 1.0 | 1 | н | II. | 11 | IP. | II. | |
| Ethyl tert-butyl ether | ND | 1.0 | 1 | н | II | II. | P | -ti | |
| Ethylbenzene | ND | 1.0 | 1 | " | ij | 11 | IF | n . | |
| Hexachlorobutadiene | ND | 1.0 | 1 | н | Ħ | ij | IP | п | |
| Isopropylbenzene | 2.3 | 1.0 | 4 | Ð | н | 11 | 51 | н | |
| p-Isopropyltoluene | ND | 1.0 | 4 | 10 | м | 11 | н | н | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|-------------------------|--------------------|----------|-----------|---------|----------|----------|-----------|-------|
| EB083106 (0609011-05) Liquid | Sampled: 08/31/06 10:50 | Receive | d: 09/01 | /06 11:40 | | | | | |
| Methylene chloride | ND | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | |
| Methyl tert-butyl ether | ND | 1.0 | " | 11 | н | II. | 0 | 40 | |
| Naphthalene | ND | 1.0 | n | 11 | n . | П | it | II. | |
| n-Propylbenzene | ND | 1.0 | n | D | " | II | 11 | И | |
| Styrene | ND | 1.0 | 11 | II. | " | II | 11 | И | |
| Tert-amyl methyl ether | ND | 1.0 | IF. | II | n | 11 | п | н | |
| Tert-butyl alcohol | ND | 5.0 | IP | 11 | IJ | 11 | н | n | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ч | 11 | II. | | н | n | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | П | II | II. | н | н | n | |
| Tetrachloroethene | ND | 1.0 | II | n | 11 | н | H | D . | |
| Toluene | ND | 1.0 | II | N | 11 | н | н | U | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | II | н | II | и | N | U | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | И | н | . #1 | н | п | if. | |
| 1,1,1-Trichloroethane | ND | 1.0 | И | н | H | п | li . | U. | |
| 1,1,2-Trichloroethane | ND | 1.0 | н | n | n | н | п | II. | |
| Trichloroethene | ND | 1.0 | н | n | Н | II. | U | IF | |
| Trichlorofluoromethane | ND | 1.0 | н | 11 | И | u | U | li | |
| 1,2,3-Trichloropropane | ND | 1.0 | н | II. | H | u | U | 31 | |
| 1,2,4-Trimethylbenzene | ND . | 1.0 | н | 11 | | 0 | 19 | H | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ħ | II. | и | II. | 17 | н | |
| Vinyl chloride | ND | 1.0 | ħ | II | ħ | 11 | 11 | н | |
| m,p-Xylene | ND | 1.0 | II. | II | n | 11 | Ð | н | |
| o-Xylene | ND | 1.0 | l! | 11 | n, | II | D | н | |
| Surrogate: Dibromofluoromethan | е | 89.4 % | 86 | -118 | " | " | " | . 4 | |
| Surrogate: Toluene-d8 | | 101 % | 88 | -110 | n | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 2 | 109 % | 86 | ~115 | " | " | u | " | |



5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683 Project: APC
Project Number: H0287D020

Reported: 09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Project Manager: Lee Paprocki

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limít | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------|-------------------------|--------------------|------------|----------|----------|----------|------------|-----------|--------|
| | | | | | - Dateii | | 7114172.00 | | 110163 |
| FB083106 (0609011-06) Liquid | Sampled: 08/31/06 10:45 | Receive | 1: 09/01/0 | 06 11:40 | · | | | | |
| Benzene | ND | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | |
| Bromobenzene | ND | 1.0 | 19 | п | и | 11 | II | Л | |
| Bromochloromethane | ND | 1.0 | 17 | . " | 11 | н | 11 | II | |
| Bromodichloromethane | ND | 1.0 | 11 | II. | IP | H | II | И | |
| Bromoform | ND | 1.0 | It | U | 11 | II | Ħ | н | |
| Bromomethane | ND | 1.0 | П | II. | 11 | n | н | n | |
| n-Butylbenzene | ND | 1.0 | 1 | II | il | 11 | n | 11 | |
| sec-Butylbenzene | ND | 1.0 | 1 | П | п | II. | n | D. | |
| tert-Butylbenzene | ND | 1.0 | 4 | н | и | D + | U | D | |
| Carbon tetrachloride | ND | 1.0 | 1 | н | и | II. | II. | lf. | |
| Chlorobenzene | ND | 1.0 | ı | н | н | II | II. | If | |
| Chloroethane | ND | 1.0 | , | Ħ | п | 11 | II | Ш | |
| Chloroform | 1.0 | 1.0 | ' | 0 | IJ | 11 | II | 4) | |
| Chloromethane | ND | 1.0 | 1 | II* | IJ | И | 41 | н | |
| 2-Chlorotoluene | ND | 1.0 | 4 | ij. | D | ц | н | И | |
| 4-Chlorotoluene | ND | 1.0 | Ш | 11 | II. | п | H | н | |
| Dibromochloromethane | ND | 1.0 | п | 41 | U | н | н | п | |
| 1,2-Dibromo-3-chloropropane | ND | 5,0 | ıt | u | н | II. | " | n | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | р. | н | " | 11 | n | n | |
| Dibromomethane | ND | 1.0 | b | " | " | 11 | н | II. | |
| 1,2-Dichlorobenzene | ND | 1.0 | , | н | 'n | II. | II. | IF. | |
| 1,3-Dichlorobenzene | ND | 1.0 | * | D. | н | 11 | D | II. | |
| 1,4-Dichlorobenzene | ND | 1.0 | P | 0 | 0 | 11 | I) | II | |
| Dichlorodifluoromethane | ND | 1.0 | | 11 | 0 | н | II. | П | |
| 1,1-Dichloroethane | , ND | 1.0 | 4 | 11 | D | н | II | (1 | |
| 1,2-Dichloroethane | ND | 1.0 | * | 11 | lr . | " | II | И | |
| 1,1-Dichloroethene | ND | 1.0 | | 51 | 49 | " | н | н | |
| cis-1,2-Dichloroethene | ND | 1.0 | • | н | | Н | н | н | |
| trans-1,2-Dichloroethene | ND | 1.0 | • | н | п | н | и | н | |
| 1,2-Dichloropropane | ND | 1.0 | , | и | н | D | н | n | |
| 1,3-Dichloropropane | ND | 1.0 | , | п | н | D . | И | n | |
| 2,2-Dichloropropane | ND | 1.0 | , | n | н | lt . | n | II. | |
| 1,1-Dichloropropene | ND | 1.0 | P | D | и | H. | h | IP. | |
| cis-1,3-Dichloropropeле | ND | 1.0 | | II. | II | IF | li . | II: | |
| trans-1,3-Dichloropropene | ND | 1.0 | 1 | D | D | 4 | ii. | li | |
| Di-isopropyl ether | ND | 1.0 | | If | 11 | н | If | II | |
| Ethyl tert-butyl ether | ND | 1.0 | H | 91 | P | n | 11 . | н | |
| Ethylbenzene | ND | 1.0 | н | н | 11 | n | n n | И | |
| Hexachlorobutadiene | ND | 1.0 | h | н | п | n | 11 | н | |
| Isopropylbenzene | ND | 1.0 | Į. | n | н | II. | И | н | |
| p-Isopropyltoluene | ND | 1.0 | l. | н | н | 0 | " | ħ | |
| | | | | | | | | | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported:

09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------|-------------------------|--------------------|---------|------------|---------|----------|----------|-----------|-------|
| FB083106 (0609011-06) Liquid | Sampled: 08/31/06 10:45 | Receive | d: 09/0 | 1/06 11:40 | | | | | |
| Methylene chloride | ND | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | |
| Methyl tert-butyl ether | ND | 1.0 | 11 | ħ | n | n | u | 41 | |
| Naphthalene | ND | 1.0 | li | D | 11 | IJ | п | н | |
| n-Propylbenzene | ND | 1.0 | 11 | 0 | IP | 11 | м | " | |
| Styrene | ND | 1.0 | н | n | 11 | ıı | М | D . | |
| Tert-amyl methyl ether | ND | 1.0 | и | н | И | н | n n | lt . | |
| Tert-butyl alcohol | ND | 5.0 | ú | | н | н | 0 | Ш | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ij | n | п | н | 11 | П | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | II. | п | IJ | n | п | 11 | |
| Tetrachloroethene | ND | 1.0 | 11 | 0 | D | D | Ħ | П | |
| Toluene | ND | 1.0 | н | 19 | it. | lt. | н | n | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | н | п | 11 | II. | H | н | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | н | н | н | н | li | Ir | |
| 1,1,1-Trichloroethane | ND | 1.0 | h | н | п | н | U | lt. | |
| 1,1,2-Trichloroethane | ND | 1.0 | 11 | н | 'n | и | 11 | II | |
| Trichloroethene | ND | 1.0 | 17 | U | ij | ш | " | n | |
| Trichlorofluoromethane | ND | 1.0 | II | 11 | 0 - | U | H | н | |
| 1,2,3-Trichloropropane | ND | 1.0 | п | 11 | II . | D | n | н | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | н | н | 11 | Н | н | ŋ | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | н | н | н | ıı | и | Th: | |
| Vinyl chloride | ND | 1.0 | IJ | н | " | н | D | П | |
| m,p-Xylene | ND | 1.0 | lr. | U | n | n | 11 | II | |
| o-Xylene | ND | 1.0 | If | li . | | | 11 | п | |
| Surrogate: Dibromofluoromethan | ie | 90.4% | 8 | 36-118 | 11 | 11 | " | 11 | |
| Surrogate: Toluene-d8 | | 101 % | 8 | 8-110 | " | n | " | " | |
| Surrogate: 4-Bromofluorobenzen | e | 106% | 8 | 86-115 | " | # | " | " | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported;

09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------|-------------------------|--------------------|---------------|----------|---------|----------|----------|-----------|-------|
| TB083106 (0609011-07) Liquid | Sampled: 08/31/06 00:00 | Receive | d: 09/01/(| 6 11:40 | | | | | |
| Benzene | ND | 1.0 | μ g /L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | |
| Bromobenzene | ND | 1.0 | " | 41 | н | 31 | Ш | н | |
| Bromochloromethane | ND | 1.0 | D | n n | и | II . | q | n | |
| Bromodichloromethane | ND | 1.0 | 17 | н | 11 | n | н | Ir | |
| Bromoform | ND | 1.0 | н | N | II. | n | " | Ir | |
| Bromomethane | ND | 1.0 | ш | и | П | 11 | p | Ш | |
| n-Butylbenzene | ND | 1.0 | н | U | II | U | U | П | |
| sec-Butylbenzene | ND | 1.0 | н | 11 | 41 | II. | 19 | н | |
| tert-Butylbenzene | ND | 1.0 | " | IF. | н | 11 | 11 | и | |
| Carbon tetrachloride | ND | 1.0 | ij. | ıı. | н | н | 11 | n | |
| Chlorobenzene | ND | 1.0 | II. | н | n | н | Ŋ | n | |
| Chloroethane | ND | 1.0 | П | n | li . | н | н | II. | |
| Chloroform | ND | 1.0 | II | n | II. | н | н | II | |
| Chloromethane | ND | 1.0 | #1 | IJ | П | D | IJ | II | |
| 2-Chlorotoluene | ND | 1.0 | н | D | 4 | ij | D D | Н | |
| 4-Chlorotoluene | ND | 1.0 | п | I) | ч | 41 | D. | Ħ | |
| Dibromochloromethanc | ND | 1.0 | n | 17 | н | R | 11 | п | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | II. | н | н | п | If | п | |
| 1,2-Dibromoethane (EDB) | ND | 1.0 | IP. | и | н | N | н | n | |
| Dibromomethane | ND | 1.0 | П | ĮI. | D. | D | н | U | |
| 1,2-Dichlorobenzene | ND | 1.0 | 11 | IJ | Ir | li . | п | ır | |
| 1,3-Dichlorobenzene | ND | 1.0 | И | D | 4F | II. | U | II | |
| 1,4-Dichlorobenzene | ND | 1.0 | n | 11 | 41 | а | D | 41 | |
| Dichlorodifluoromethane | ND | 1.0 | n | II | п | II . | D | u | |
| 1,1-Dichloroethane | ND | 1.0 | 11 | 11 | н | н | 11 | и | |
| 1,2-Dichloroethane | ND | 1.0 | п | 11 | И | n | n | n | |
| 1,1-Dichloroethene | ND | 1.0 | п | н | ij | n | 11 | h | |
| cis-1,2-Dichloroethene | ND | 1.0 | П | м | 11 | IJ | н | U | |
| trans-1,2-Dichloroethene | ND | 1.0 | и | li | 17 | IJ | n | D. | |
| 1,2-Dichloropropane | ND | 1.0 | н | IJ | 11 | D | п | П | |
| 1,3-Dichloropropane | ND | 1.0 | н | 11 | it | 47 | U | (I | |
| 2,2-Dichloropropane | ND | 1.0 | n | 4t | II | ff | 0 | н | |
| 1,1-Dichloropropene | ND | 1.0 | 11 | fl. | и | и | D | н | |
| cis-1,3-Dichloropropene | ND | 1.0 | li | 11 | н | " | tt. | н | |
| trans-1,3-Dichloropropene | ND | 1.0 | Ш | n | н | II. | н | n | |
| Di-isopropyl ether | ND | 1.0 | н | n | D | II. | н | U | |
| Ethyl tert-butyl ether | ND | 1.0 | и | II. | 11 | lr. | н | II. | |
| Ethylbenzene | ND | 1.0 | | D | 11 | ď | II. | 41 | |
| Hexachlorobutadiene | ND | 1.0 | D. | 11 | It | и | II. | n | |
| Isopropylbenzene | ND | 1.0 | ı) | ff. | н | и | D. | п | |
| p-Isopropyltoluene | ND | 1.0 | п | n | Ņ | n | II | п | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported: 09/13/06 11:20

Volatile Organics & Fuel Oxygenates (GC/MS) by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------------|-------------------------|--------------------|-----------|-----------|---------|----------|----------|----------------|-------|
| TB083106 (0609011-07) Liquid | Sampled: 08/31/06 00:00 | Receive | d: 09/01/ | /06 11:40 | | | | | |
| Methylene chloride | ND | 1.0 | μg/L | 1 | B6I0614 | 09/05/06 | 09/06/06 | EPA 8260B | |
| Methyl tert-butyl ether | ND | 1.0 | | н | 11 | н | 0 | н | |
| Naphthalene | ND | 1.0 | n | и | U | 11 | II | a | |
| n-Propylbenzene | ND | 1.0 | и | II. | 11 | n | II | n | |
| Styrene | ND | 1.0 | п | lf. | 11 | II. | 41 | n | |
| Tert-amyl methyl ether | ND | 1.0 | U | II | 41 | Ir | н | U | |
| Tert-butyl alcohol | ND | 5.0 | 0 | п | И | It | Ħ | D | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | 1) | 11 | н | Ц | н | II. | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | П | н | 9 | II | n | П | |
| Tetrachloroethene | ND | 1.0 | н | п | n | н | ħ | I I | |
| Toluene | ND | 1.0 | 4 | n | n | И | II. | И | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | 4 | n | D | N | II | И | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | 1 | D | 11 | H | ıţ | И | |
| 1,1,1-Trichloroethane | ND | 1.0 | 1 | IF | Ш | 11 | 1 | н | |
| 1,1,2-Trichloroethane | ND | 1.0 | , | II | q | U | 0 | II. | |
| Trichloroethene | ND | 1.0 | , | 11 | ji . | Ir | И | II. | |
| Trichlorofluoromethane | ND | 1.0 | 1 | 11 | И | II | н | II | |
| 1,2,3-Trichloropropane | ND | 1.0 | 4 | П | И | п | и | II | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ıı | п | n | n | н | 11 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 11 | н | n | н | n | II | |
| Vinyl chloride | ND | 1.0 | 1 | Ħ | D | н | l) | н | |
| m,p-Xylene | ND | 1.0 | , | 19 | 11 | n | l) | п | |
| o-Xylene | ND | 1.0 | | 11 | 11 | 10 | П | n | √. |
| Surrogate: Dibromofluoromethan | e | 89.4 % | 86 | -118 | " | 0 | " | 11 | |
| Surrogate: Toluene-d8 | | 102 % | | -110 | " | t) | " | 11 | |
| Surrogate: 4-Bromofluorobenzene | | 110 % | | -115 | " | n | и | " | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020 Project Manager: Lee Paprocki Reported:

09/13/06 11:20

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------------|--------|--------------------|-------|----------------|------------------|---------------------|----------------|------|--------------|-------|
| Batch B610838 - EPA 3510C Sep Fu | nnel | | | | | | | | | |
| Blank (B6I0838-BLK1) | | | | Prepared & | & Analyze | d: 09/07/0 | 06 | | | |
| HC < C8 | ND | 0.010 | mg/L | | | | | | | |
| C8 <= HC < C9 | ND | 0.010 | ч | | | | | | | |
| C9 <= HC < C10 | ND | 0.010 | 4 | | | | | | | |
| C10 <= HC < C11 | ND | 0.010 | 4 | | | | | | | |
| C11 <= HC < C12 | ND | 0.010 | 1 | | | | | | | |
| C12 <= HC < C14 | ИD | 0.010 | , | | | | | | | |
| C14 <= HC < C16 | ND | 0.010 | , | | | | | | | |
| C16 <= HC < C18 | ND | 0.010 | 1 | | | | | | | |
| C18 <= HC < C20 | ND | 0.010 | .I | | | | | | | |
| C20 <= HC < C24 | ND | 0.010 | !! | | | | | | | |
| C24 <= HC < C28 | ND | 0.010 | Н | | | | | | | |
| C28 <= HC < C32 | ND | 0.010 | н | | | | | | | |
| HC >= C32 | ND | 0.010 | | | | | | | | |
| Total Petroleum Hydrocarbons (C7-C36) | ИD | 0.050 | U | | | | | | | |
| Surrogate: o-Terphenyl | 0.130 | | " | 0,100 | | 130 | 60-175 | | | |
| LCS (B6I0838-BS1) | | _ | | Prepared a | & Analyz | ed: 09/07/ <u>(</u> | 06 | _ | | |
| Diesel Range Organics (C10-C24) | 0.674 | 0.050 | mg/L | 0.750 | | 89.9 | 80-120 | | | |
| LCS (B6I0838-BS2) | | | | Prepared a | & Analyzo | ed: 09/07/ | 06 | | <u> </u> | |
| Diesel Range Organies (C10-C24) | 0.751 | 0.050 | mg/L | 0.750 | | 100 | 80-120 | | · | |
| LCS Dup (B610838-BSD1) | | | | Prepared a | & Analyze | ed: 09/07/ | 06 | | | |
| Diesel Range Organics (C10-C24) | 0.702 | 0.050 | mg/L | 0.750 | | 93.6 | 80-120 | 4.07 | 30 | |



5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683 Project: APC

Project Number: H0287D020 Project Manager: Lee Paprocki Reported:

09/13/06 11:20

$Volatile\ Organics\ \&\ Fuel\ Oxygenates\ (GC/MS)\ by\ EPA\ Method\ 8260B\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch | B6I0614 | 1 - EPA | 5030B | P & T |
|-------|---------|---------|-------|-------|
| | | | | |

| Blank (B6I0614-BLK1) | | | | Prepared & Analyzed: 09/05/06 |
|-----------------------------|----|-----|------|-------------------------------|
| Benzene | ND | 1.0 | μg/L | |
| Brontobenzene | ND | 1.0 | ı | |
| Bromochloromethane | ND | 1.0 | ı | |
| Bromodichloromethane | ND | 1.0 | ı | |
| Bromoform | ND | 1.0 | ı | |
| Bromomethane | ND | 1.0 | 1 | |
| n-Butylbenzene | ND | 1.0 | | |
| sec-Butylbenzene | ND | 1.0 | al. | |
| tert-Butylbenzene | ND | 1.0 | | |
| Carbon tetrachloride | ND | 1.0 | | |
| Chlorobenzene | ND | 1.0 | | |
| Chloroethane | ND | 1.0 | | |
| Chloroform | ND | 1.0 | , | |
| Chloromethane | ND | 1.0 | 9 | |
| 2-Chlorotoluene | ND | 1.0 | 12 | |
| 4-Chlorotoluene | ND | 1.0 | a | |
| Dibromochloromethane | ND | 1.0 | | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | Ħ | |
| 1,2-Dibromoethane (EDB) | ND | 0.1 | Ħ | |
| Dibromomethane | ND | 1.0 | н | |
| 1,2-Dichlorobenzene | ND | 1.0 | " | |
| 1,3-Dichlorobenzene | ND | 1.0 | þ | |
| 1,4-Dichlorobenzene | ND | 1.0 | II | |
| Dichlorodifluoromethane | ND | 1.0 | i, | |
| 1,1-Dichloroethane | ND | 1.0 | 11 | |
| 1,2-Dichloroethane | ND | 1.0 | t. | |
| 1,1-Dichloroethene | ND | 1.0 | • | |
| cis-1,2-Dichloroethene | ND | 1.0 | , | |
| trans-1,2-Dichloroethene | ND | 1.0 | • | |
| 1,2-Dichloropropane | ND | 1.0 | * | |
| 1,3-Dichloropropane | ND | 1.0 | li | |
| 2,2-Dichloropropane | ND | 1.0 | li | |
| 1,1-Dichloropropene | ND | 1.0 | II | |
| cis-1,3-Dichloropropene | ND | 1.0 | п | |
| trans-1,3-Dichloropropene | ND | 1.0 | п | |
| Di-isopropyl ether | ND | 1.0 | п | |
| Ethyl tert-butyl ether | ИD | 1.0 | и | |



5455 Garden Grove Blvd. Suite 200 Westminster CA, 92683 Project: APC

Project Number: H0287D020 Project Manager: Lee Paprocki Reported:

09/13/06 11:20

$Volatile\ Organics\ \&\ Fuel\ Oxygenates\ (GC/MS)\ by\ EPA\ Method\ 8260B\ -\ Quality\ Control$

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
| Batch B6I0614 - EPA 5030B P & T | | 10000 | | | | | | | | |

| Blank (B6I0614-BLK1) | | | | Prepared & Ana | alyzed: 09/05/ | 06 | | |
|---------------------------------|------|-----|------|----------------|----------------|--------|---|--|
| Ethylbenzene | ND | 1.0 | μg/L | | | | | |
| Hexachlorobutadiene | ND | 1.0 | И | | | | | |
| Isopropylbenzene | ND | 1.0 | | | | | | |
| p-Isopropyltoluene | ND | 1.0 | b | | | | | |
| Methylene chloride | ND | 1.0 | ı | | | | | |
| Methyl tert-butyl ether | ND | 1.0 | P | | | | | |
| Naphthalene | ND | 1.0 | e | | | | | |
| n-Propylbenzene | ND | 1.0 | ø | | | | | |
| Styrene | ND | 1.0 | 4 | | | | | |
| Tert-amyl methyl ether | ND | 1.0 | • | | | | | |
| Tert-butyl alcohol | ND | 5.0 | 4 | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | H | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1.0 | * | | | | | |
| Tetrachloroethene | ND | 1.0 | • | | | | | |
| Toluene | ND | 1.0 | В | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.0 | U | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.0 | b | | | | | |
| 1,1,1-Trichloroethane | ND | 1.0 | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.0 | , | | | | | |
| Trichloroethone | ND | 1.0 | P | | | | | |
| Trichlorofluoromethane | ND | 1.0 | 9 | | | | | |
| 1,2,3-Trichloropropane | ND | 1.0 | 9 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 2.0 | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | я | | | | | |
| Vinyl chloride | ND | 1.0 | | | | | | |
| m,p-Xylene | ND | 1.0 | 11 | | | | | |
| o-Xylene | ND | 1.0 | и | | | | | |
| Surrogate: Dibromofluoromethane | 55.6 | | # | 50.0 | 111 | 86-118 | ` | |
| Surrogate: Toluene-d8 | 52,5 | | if | 50.0 | 105 | 88-110 | | |
| Surrogate: 4-Bromofluorobenzene | 53,8 | | ır | 50.0 | 108 | 86-115 | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020 Project Manager: Lee Paprocki Reported:

09/13/06 11:20

$Volatile\ Organics\ \&\ Fuel\ Oxygenates\ (GC/MS)\ by\ EPA\ Method\ 8260B\ -\ Quality\ Control$

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------------------|-------------|-------|-----------|-----------|-------------|-------------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B610614 - EPA 5030B P & T | | | | | | | | | | |
| LCS (B6I0614-BS1) | | | | Prepared | & Analyze | ed: 09/05/0 | 06 | | | |
| Велделе | 52.8 | 1.0 | μg/L | 50.0 | | 106 | 80-120 | | | |
| Chlorobenzene | 47.5 | 1.0 | " | 50.0 | | 95.0 | 80-120 | | | |
| 1,1-Dichloroethene | 57.5 | 1.0 | U | 50.0 | | 115 | 80-120 | | | |
| Toluene | 53.0 | 1.0 | IF. | 50.0 | | 106 | 80-120 | | | |
| Trichloroethene | 52.9 | 1.0 | IF | 50.0 | | 106 | 80-120 | | | |
| Matrix Spike (B6I0614-MS1) | Source: 0609019-05 | | | Prepared: | | | | | | |
| Benzene | 38.2 | 1.0 | μg/L | 50.0 | ND | 76.4 | 37-151 | | | |
| Chlorobenzene | 40.5 | 1.0 | П | 50.0 | ND | 81.0 | 37-160 | | | |
| 1,1-Dichloroethene | 38.6 | 1.0 | н | 50.0 | ND | 77.2 | 50-150 | | | |
| Toluene | 39.1 | 1.0 | 1 | 50.0 | ND | 78.2 | 47-150 | | | |
| Trichloroethene | 37.2 | 1.0 | 1 | 50.0 | ND | 74.4 | 71-157 | | | |
| Matrix Spike Dup (B6I0614-MSD1) | Sot | rce: 060901 | 9-05 | Prepared: | 09/05/06 | Analyzed | 1: 09/06/06 | | | |
| Benzene | 36.4 | 1.0 | μg/L | 50.0 | ND | 72.8 | 37-151 | 4.83 | 30 | |
| Chlorobenzene | 38.6 | 1.0 | , | 50.0 | ND | 77.2 | 37-160 | 4.80 | 30 | |
| 1,1-Dichloroethene | 35.1 | 1.0 | 1 | 50.0 | ND | 70.2 | 50-150 | 9.50 | 30 | |
| Toluene | 41.2 | 1.0 | :I | 50.0 | ND | 82.4 | 47-150 | 5.23 | 30 | |
| Trichloroethene | 37.2 | 1.0 | 11 | 50.0 | ND | 74.4 | 71-157 | 0.00 | 30 | |



5455 Garden Grove Blvd. Suite 200

Westminster CA, 92683

Project: APC

Project Number: H0287D020

Project Manager: Lee Paprocki

Reported:

09/13/06 11:20

Notes and Definitions

S-03 Surrogate diluted out.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference